AASP African American Studies Fall 2009

AASP100 **Introduction to African American Studies**

AASP100 Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Jason Nichols MWF 10:00am - 10:50am	Seats (Total: 35) LEF 2208
0102	Jason Nichols MWF 12:00pm - 12:50pm	Seats (Total: 35) TYD 1101
0103	Jonathan England TuTh 9:30am - 10:45am	Seats (Total: 35) TYD 2102
0104	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 30) TYD 0102
0105	Tammy Sanders TuTh 11:00am - 12:15pm	Seats (Total: 35) ASY 3203
0106	Tammy Sanders TuTh 12:30pm - 1:45pm	Seats (Total: 35) TYD 1118

AASP100H **Introduction to African American Studies**

AASP100H Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 5) TYD 0102

AASP101 **Public Policy and the Black Community**

AASP101 Public Policy and the Black Community; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course.
Formerly AASP300. The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Gniesha Dinwiddie TuTh 2:00pm - 3:15pm	Seats (Total: 36) LEF 1201	

AASP200 **African Civilization**

AASP200 African Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

0101	Ibrahim Kargbo Th 4:00pm - 6:30pm	Seats (Total: 45) KEY 0116	

AASP202 **Black Culture in the United States**

AASP202 Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Sharon Harley MW 3:00pm - 3:50pm M 1:00pm - 1:50pm	Seats (Total: 35) LEF 2205 TYD 1114	 Discussion
0102	Sharon Harley MW 3:00pm - 3:50pm W 1:00pm - 1:50pm	Seats (Total: 35) LEF 2205 TYD 1118	 Discussion

0103	Sharon Harley MW 3:00pm - 3:50pm Tu 9:30am - 10:20am	Seats (Total: 35) LEF 2205 TYD 1118	Discussion
0104	Sharon Harley MW 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 35) LEF 2205 TYD 1118	Discussion

AASP202H **Black Culture in the United States**

AASP202H Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Sharon Harley MW 3:00pm - 3:50pm W 2:00pm - 2:50pm	Seats (Total: 5) LEF 2205 TYD 0101	Discussion

AASP298A **Special Topics in Afro-American Studies: African Civilization to 1800**

AASP298A Special Topics in Afro-American Studies: African Civilization to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as HIST122.

0101	Hilary Jones MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0102	Hilary Jones MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0119	Discussion
0103	Hilary Jones MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 TLF 1103	Discussion
0104	Hilary Jones MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 KEY 0119	Discussion

AASP298L **Special Topics in Afro-American Studies: Introduction to African-American Literature**

AASP298L Special Topics in Afro-American Studies: Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL234.

0101	Zita Nunes TuTh 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 22) KEY 0106 LEF 1221	Discussion
0102	Zita Nunes TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 22) KEY 0106 JMZ 1117	Discussion
0103	Zita Nunes TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 LEF 1222	Discussion
0104	Zita Nunes TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 HBK 0103	Discussion
0105	Zita Nunes TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 SQH 1101	Discussion
0107	Zita Nunes TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 KEY 0116	Discussion
0108	Zita Nunes TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 WDS 1127	Discussion
0109	Zita Nunes TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 SKN 0104	Discussion
0110	Zita Nunes TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 WDS 1127	Discussion

AASP298V **Special Topics in African American Studies; The Blues as a Cultural Art Form**

AASP298V Special Topics in African American Studies: The Blues as a Cultural Art Form; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mark Puryear	Seats (Total: 35)
	W 1:00pm - 3:30pm	NCC 0130

AASP298W **Special Topics in African American Studies; Introduction Creative Writing: African American Perspective**

AASP298W Special Topics in African American Studies: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD. Also offered as ENGL278C.

0101	Valerie Turner	Seats (Total: 20)
	TuTh 9:30am - 10:45am	NCC 0120

AASP298Y **Special Topics in African American Studies; Making of the Caribbean**
Contact department for information to register for this course.

AASP301 **Applied Policy Analysis and the Black Community**

AASP301 Applied Policy Analysis and the Black Community; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: (AASP101 and ECON200) or (AASP101 and ECON201).
Recommended: One semester of statistics. Development and application of the tools needed for examining the effectiveness of alternative policy options confronting minority communities. Review policy research methods used in forming and evaluating policies. Examination of the policy process.

0101	Odis Johnson	Seats (Total: 24)
	Th 4:00pm - 6:30pm	PLS 1184

AASP386 **Experiential Learning**

AASP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing.

Contact department for information to register for this course.

AASP396 **Independent Study Non-Thesis Option**

AASP396 Independent Study Non-Thesis Option; (3 credits) Grade Method: REG. *Prerequisites: AASP297 (formerly:AASP299R), and AASP386. Senior standing. For AASP majors only. Credit will be granted for only one of the following: AASP396 or AASP397.* A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.

0101	Odis Johnson	Seats (Total: 10)
	Th 12:30pm - 2:30pm	LEF 2169S

AASP397 **Senior Thesis**

AASP397 *(PermReq)* **Senior Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Directed research in African American Studies resulting in the completion and defense of a senior thesis.

Contact department for information to register for this course.

AASP398Y **Selected Topics in the African Diaspora; Caribbean History: 1492-1838**
Contact department for information to register for this course.

AASP400 **Directed Readings in African American Studies**

AASP400 Directed Readings in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. The readings will be directed by the faculty of African American Studies. Topics to be covered will be chosen to meet the needs and interests of individual students.

0101	Sangeetha Madhavan W 3:30pm - 6:00pm	Seats (Total: 25) PLS 1113

AASP400H **Directed Readings in African American Studies**

AASP400H *(PermReq)* **Directed Readings in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. For general honors students only.

0101	Sangeetha Madhavan W 3:30pm - 6:00pm	Seats (Total: 5) PLS 1113

AASP411 **Black Resistance Movements**

AASP411 Black Resistance Movements; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100. A comparative study of the black resistance movements in Africa and America; analysis of their interrelationships as well as their impact on contemporary pan-Africanism.

0101	Melinda Chateauvert TuTh 2:00pm - 3:15pm	Seats (Total: 30) SQH 1119

AASP483 **Gender, Sexuality and the Black Family**

AASP483 Gender, Sexuality and the Black Family; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100. Credit will be granted for only one of the following: AASP483 or AASP498F. Formerly AASP498F. Examining the historical, economic, social, and scholarly construction of African American family structures. The problematization of "Black matriarchy," hetero- and homosexuality, bi-racialism, and other efforts to "normalize" African Americans to conform to Eurocentric and religious concepts of family will be critically analyzed.

0101	Melinda Chateauvert Tu 5:00pm - 7:30pm	Seats (Total: 30) KEY 0116

AASP498J **Special Topics in Black Culture; The Indian Experience in the Caribbean**
Contact department for information to register for this course.

AASP498P **Black Class: Stories of Race and Consumption from the Harlem Renaissance to Hip Hop**

AASP498P Black Class: Stories of Race and Consumption from the Harlem Renaissance to Hip Hop; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AMST498P.

0101	Psyche Williams-Forson	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	PLS 1129

AASP498Q **Special Topics in Black Culture; Using Qualitative Research Methods in Urban Studies**

AASP498Q Special Topics in Black Culture: Using Qualitative Research Methods in Urban Studies; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joseph Richardson	Seats (Total: 30)
	Tu 4:00pm - 6:30pm	TLF 1103

AASP498X **Special Topics in Black Culture; The Greater Caribbean**
Contact department for information to register for this course.

AASP498Z **Special Topics in Black Culture; Caribbean Women**
Contact department for information to register for this course.

AASP499B **Advanced Topics in Public Policy and the Black Community; Race, Ethnicity, Wealth and Health**

AASP499B Advanced Topics in Public Policy and the Black Community: Race, Ethnicity, Wealth and Health; (3 credits) Grade Method: REG/P-F/AUD.

0101	Darrell Gaskin	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	BPS 1236

AASP499G **Advanced Topics in Public Policy and the Black Community; The Evaluation of Social Programs**

AASP499G Advanced Topics in Public Policy and the Black Community: The Evaluation of Social Programs; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: AASP100 or permission of department. This course aims to be able to answer difficult questions while investigating federal programs, among them Urban Relocation Programs, Project Head Start, and local and state After-School programs.

0101	Odis Johnson W 4:00pm - 6:30pm	Seats (Total: 20) KEY 0123

AASP499L **Advanced Topics in Public Policy and the Black Community; Law and Identities**

AASP499L Advanced Topics in Public Policy and the Black Community: Law and Identities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498D, JWST419D, LASC448L, LGBT448L, and WMST498C.

0101	Sherri Beatty-Arthur Tu 3:00pm - 5:30pm	Seats (Total: 30) KEY 0123

AASP499P **Advanced Topics in Public Policy and the Black Community; African-American Politics and Political Economy**

AASP499P Advanced Topics in Public Policy and the Black Community: African-American Politics and Political Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP101.

0101	Jonathan England M 3:00pm - 5:40pm	Seats (Total: 35) WDS 0104

AASP499T **Advanced Topics in Public Policy and the Black Community; Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital**

AASP499T Advanced Topics in Public Policy and the Black Community: Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joseph Richardson W 4:00pm - 6:30pm	Seats (Total: 25) KEY 0103

AASP621 **Public Policy and Black Communities**

AASP621 Public Policy and Black Communities; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. This course explores the role of race in social policy formation and emphasizes the importance of both political institutions and economic relations as determinants of the policy making process and context.

0101	Odis Johnson W 4:00pm - 6:30pm	Seats (Total: 5) KEY 0123	

AAST Asian American Studies Fall 2009

AAST200 **Introduction to Asian American Studies**

AAST200 Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective. Also offered as AMST 298C.

0101	Larry Shinagawa TuTh 3:30pm - 4:45pm	Seats (Total: 40) ASY 3207	

AAST201 **Asian American History**

AAST201 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Introduction to the history of Asian Americans in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans, World War II, the Cold War, and the issues in the civil rights & post-civil rights era. Also offered as HIST219M.

0101	Lisa Mar MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) SYM 0200 WDS 1127	 Discussion
0201	Lisa Mar MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) SYM 0200 WDS 1127	 Discussion

0301	Lisa Mar MW 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 20) SYM 0200 JMZ 1224	Discussion
0401	Lisa Mar MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) SYM 0200 JMZ 0118	Discussion

AAST298B **Introduction to Human Diversity in Social Institutions**

AAST298B Introduction to Human Diversity in Social Institutions; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Also offered as EDCP220.

0101	Vanessa Hong TuTh 11:00am - 12:15pm	Seats (Total: 25) BPS 0283
0201	Roxanna Pebdani MW 11:00am - 12:15pm	Seats (Total: 25) TWS 0234

AAST298N **Filipino American Studies**

AAST298N Filipino American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as AMST298N.

0101	Gemirald Daus Tu 5:00pm - 7:30pm	Seats (Total: 40) JMP 3216

AAST378 **Experiential Learning**

AAST378 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Larry Shinagawa Contact instructor or department for details.	Seats (Total: 5)

AAST388 **Independent Research**

AAST388 *(PermReq)* **Independent Research; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Larry Shinagawa	Seats (Total: 5)
	Contact instructor or department for details.	

AAST398A **Selected Topics in Asian American Studies; Vietnamese American Studies**

AAST398A Selected Topics in Asian American Studies: Vietnamese American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST328D.

0101	Thu Khuc	Seats (Total: 39)
	TuTh 2:00pm - 3:15pm	JMP 2202

AAST398B **Selected Topics in Asian American Studies; Contemporary Asian American Literature in the 21st Century**

AAST398B Selected Topics in Asian American Studies: Contemporary Asian American Literature in the 21st Century; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379B.

0101	Lawrence-Minh Davis	Seats (Total: 40)
	Tu 5:00pm - 7:30pm	ASY 3207

AAST398E **Multi-Ethnic Peer Counseling**

AAST398E Multi-Ethnic Peer Counseling; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as EDCP312.

0201	L Gomez	Seats (Total: 25)
	W 2:00pm - 4:45pm	EGR 1104

AAST398L **Selected Topics in Asian American Studies; Asian Americans in Film**

AAST398L Selected Topics in Asian American Studies: Asian Americans in Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lawrence-Minh Davis Th 5:00pm - 7:30pm	Seats (Total: 40) ASY 3203

AAST498C **Advanced Topics in Asian American Studies; Introduction to Chinese American Studies**

AAST498C Advanced Topics in Asian American Studies: Introduction to Chinese American Studies; (3 credits) Grade Method: REG/P-F/AUD.

0101	George Wu W 5:00pm - 7:30pm	Seats (Total: 40) JMZ 2206

AAST498D **Advanced Topics in Asian American Studies; Law and Identities**

AAST498D Advanced Topics in Asian American Studies: Law and Identities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP499L, JWST419D, LASC448L, LGBT448L, and WMST498C.

0101	Sherri Beatty-Arthur Tu 3:00pm - 5:30pm	Seats (Total: 30) KEY 0123

AAST498E **Advanced Topics in Asian American Studies; Asian American Sexualities**

AAST498E Advanced Topics in Asian American Studies: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LGBT448E.

0101	Gerald Maa MW 12:30pm - 1:45pm	Seats (Total: 40) TYD 2109

AAST498I **Advanced Topics in Asian American Studies; Asian American Leadership**

AAST498I Advanced Topics in Asian American Studies: Asian American Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDCP418A.

0101	Dharma Naik, Jeehye Deogracias TuTh 11:00am - 12:15pm	Seats (Total: 25) PLS 1130

AAST498L **Advanced Topics in Asian American Studies; Immigration and Ethnicity in the United States**

AAST498L Advanced Topics in Asian American Studies: Immigration and Ethnicity in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST429V.

0101	Lisa Mar	Seats (Total: 15)
	W 1:00pm - 3:30pm	TLF 2103

AAST498Q **Asian Religions in American Culture**

AAST498Q Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AMST418L.

0101	L Gordon	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	HZF 0101

AAST498Z **Advanced Topics in Asian American Studies; The Atomic Bomb in Literature and Memory: Japan and the U.S.**

AAST498Z Advanced Topics in Asian American Studies: The Atomic Bomb in Literature and Memory: Japan and the U.S.; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JAPN498A.

0101	Michele Mason	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	HBK 0302J

AGNR Agriculture and Natural Resources Fall 2009

AGNR270 **Technology Training Seminar**

AGNR270 *(PermReq)* **Technology Training Seminar; (2-3 credits)** Grade Method: REG.
For AGNR major only or by permission of department. Also offered as BSCI279. Credit will be granted for only one of the following: AGNR270 or BSCI279. A hands-on training seminar about pedagogical applications of information technology and mastery of several technical skills. Special emphasis is placed on gainfully understanding technological issues such as copyright and intellectual property, accessibility, and usability.

0201	Deborah Mateik	Seats (Total: 8)
	F 10:00am - 12:30pm	CSS 1410

AGNR388 **Honors Thesis Research**

AGNR388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

0101	Leon Slaughter	Seats (Total: 5)
	Contact instructor or department for details.	

AGNR499 **Special Problems; Special Problems**

AGNR499 *(PermReq)* **Special Problems: Special Problems; (1-3 credits)** Grade Method: REG/P-F/AUD.

0102	Leon Slaughter	Seats (Total: 1)
	Contact instructor or department for details.	

AMSC Applied Mathematics & Scientific Computation — Fall 2009

AMSC460 **Computational Methods**

AMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL460. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Harland Glaz	Seats (Total: 34)
	TuTh 3:30pm - 4:45pm	MTH 0201

AMSC466 **Introduction to Numerical Analysis I**

AMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Manuel Tiglio	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 4122

AMSC498A **Selected Topics in Applied Mathematics**

AMSC498A *(PermReq)* **Selected Topics in Applied Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC600 **Advanced Linear Numerical Analysis**

AMSC600 Advanced Linear Numerical Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: AMSC/CMSC/MAPL 666 or permission of instructor. Also offered as CMSC 760. Credit will be granted for only one of the following: AMSC 600, CMSC 760 or MAPL 600. Formerly MAPL600. Advanced topics in numerical linear algebra, such as dense eigenvalue problems, sparse elimination, iterative methods, and other topics.

0101	Howard Elman	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CSI 3120

AMSC660 **Scientific Computing I**

AMSC660 Scientific Computing I; (3 credits) Grade Method: REG.
Prerequisite: AMSC/CMSC/MAPL 460, AMSC/CMSC/MAPL466, or knowledge of basic numerical analysis (linear equations, nonlinear integration, interpolation) with permission of instructor. Also offered as CMSC 660. Credit will be granted for only one of the following: AMSC 660, CMSC 660 or MAPL 660. Formerly MAPL660. Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software of each topic.

0101	Dianne O'Leary	Seats (Total: 30)
	M 4:00pm - 7:00pm	CSI 2118

AMSC662 **Computer Organization and Programming for Scientific Computing**

AMSC662 Computer Organization and Programming for Scientific Computing; (3 credits) Grade Method: REG/AUD.
Prerequisite: AMSC/CMSC/MAPL 460, AMSC/CMSC/MAPL 466, or knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation) with permission of instructor. Knowledge of C or Fortran. Also offered as CMSC 662. Credit will be granted for only one of the following: AMSC 662 or CMSC 662. This course presents fundamental issues of computer hardware, software, parallel computing, and scientific data management for programming for scientific computation.

0101	Ramani Duraiswami	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMP 1109

AMSC663 **Advanced Scientific Computing I**

AMSC663 Advanced Scientific Computing I; (3 credits) Grade Method: REG.
Prerequisite: AMSC/CMSC/MAPL 660, AMSC/CMSC/MAPL 661, and permission of instructor. Also offered as CMSC 663. Credit will be granted for only one of the following: AMSC 663 or CMSC 663. In the sequence MAPL 663, MAPL 664 students work on a year-long individual project to develop software for a scientific task in a high perfomance computing environment. Lectures will be given on available computational environments, code development, implementation of parallel algorithms.

0101	Instructor: TBA	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	CHE 2118

AMSC666 **Numerical Analysis I**

AMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisites: AMSC/CMSC/MAPL 466; and MATH 410. Also offered as CMSC 666. Credit will be granted for only one of the following: AMSC 666, CMSC 666 or MAPL 666. Formerly MAPL666.* Iterative methods for linear systems, piecewise interpolation, eigenvalue problems, numerical integration. Click here for more course information.

0101	Eitan Tadmor	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CSI 4122

AMSC670 **Ordinary Differential Equations I**

AMSC670 Ordinary Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 405; and MATH 410 or equivalent. Also offered as MATH 670. Credit will be granted for only one of the following: AMSC 670, MAPL 670 or MATH 670. Formerly MAPL670.* Existence and uniqueness, linear systems usually with Floquet theory for periodic systems, linearization and stability, planar systems usually with Poincare-Bendixson theorem. Offered fall only. Also offered as MATH670.

0101	Dmitry Dolgopyat	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	MTH 0403

AMSC673 **Partial Differential Equations I**

AMSC673 Partial Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 411 or equivalent. Also offered as MATH 673. Credit will be granted for only one of the following: AMSC 673, MAPL 673 or MATH 673. Formerly MAPL673.* Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform. Offered fall only. Also offered as MATH673.

0101	Dionisios Margetis	Seats (Total: 34)
	MWF 9:00am - 9:50am	MTH 0101

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

AMSC689 *(PermReq)* **Research Interactions in Applied Mathematics and Scientific Computation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698 **Advanced Topics in Applied Mathematics**

AMSC698 Advanced Topics in Applied Mathematics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698A **Advanced Topics in Applied Mathematics**

AMSC698A Advanced Topics in Applied Mathematics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698B **Advanced Topics in Applied Mathematics; Error Correcting Codes**

AMSC698B Advanced Topics in Applied Mathematics: Error Correcting Codes; (3 credits) Grade Method: REG/AUD.

0101	Alexander Barg MW 2:00pm - 3:15pm	Seats (Total: 30) EGR 2116

AMSC698I **Advanced Topics in Applied Mathematics; Numerical Methods in Mathematical Finance**

AMSC698I Advanced Topics in Applied Mathematics: Numerical Methods in Mathematical Finance; (1-4 credits) Grade Method: REG/AUD.

0101	Tobias von Petersdorff MWF 10:00am - 10:50am	Seats (Total: 20) MTH B0423

AMSC698P **Advanced Topics in Applied Mathematics; Market, Spatial and Traffic Equilibrium Models in Project Mangement**

AMSC698P Advanced Topics in Applied Mathematics: Market, Spatial and Traffic Equilibrium Models in Project Mangement; (3 credits) Grade Method: REG/AUD.

0101	Steven Gabriel	Seats (Total: 20)
	Contact instructor or department for details.	

AMSC799 **Master's Thesis Research**

AMSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC898 **Pre-Candidacy Research**

AMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

AMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST American Studies Fall 2009

AMST201 **Introduction to American Studies**

AMST201 Introduction to American Studies; (3 credits) Grade Method: REG/P-F. CORE Humanities (HO) Course.
Introduction to American cultural studies--past and present--by examining the concept of "self" in American autobiographical writing and the concept of "society" in accounts of various communities.

0101	Maria Vargas	Seats (Total: 25)
	MWF 9:00am - 9:50am	HZF 0101

0201	Maria Vargas MWF 10:00am - 10:50am	Seats (Total: 25) HZF 0101	
0301	Aaron Allen MWF 1:00pm - 1:50pm	Seats (Total: 25) HZF 0106	
0401	Aaron Allen MWF 2:00pm - 2:50pm	Seats (Total: 25) HZF 0106	
0501	Andrew Nelson TuTh 8:00am - 9:15am	Seats (Total: 25) HZF 0101	
0601	Andrew Nelson TuTh 9:30am - 10:45am	Seats (Total: 25) HZF 0101	
FC01	Heidi Temple F 10:00am - 11:15am Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 23) CHE 2145 ONLINE	Discussion
FC02	Manouchka Poinson F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 23) CSS 2416	

AMST203 **Popular Culture in America**

AMST203 Popular Culture in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

0101	Christine Muller MWF 11:00am - 11:50am	Seats (Total: 25) HZF 0101	
FC01	Manouchka Poinson F 11:30am - 12:45pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 19) CSS 2416 ONLINE	Discussion

AMST204 **Film and American Culture Studies**

AMST204 Film and American Culture Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Exploration of the American film from a historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study.

0101	Myron Lounsbury W 6:00pm - 9:30pm *Class meets in Hornbake room H0302.*	Seats (Total: 35) HBK H0302

AMST205 **Material Aspects of American Life**

AMST205 Material Aspects of American Life; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

0101	Portia Barker TuTh 8:00am - 9:15am	Seats (Total: 25) MMH 0108
0201	Portia Barker TuTh 9:30am - 10:45am	Seats (Total: 25) MMH 0108

AMST207 **Contemporary American Cultures**

AMST207 Contemporary American Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
World views, values, and social systems of contemporary American cultures explored through readings on selected groups such as middle-class suburbanites, old order Amish, and urban tramps.

FC01	Rebecca Krefting F 1:00pm - 2:15pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 22) SYM 0215 ONLINE

AMST212 **Diversity in American Culture**

AMST212 Diversity in American Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Exploration of the role of diversity in the shaping of American culture. Special emphasis will be placed on the multicultural origins of American popular and material culture, such as foodways and entertainment, and on the experience of "Americanization."

0101	Tiffany King TuTh 12:30pm - 1:45pm	Seats (Total: 25) HZF 0106
0102	Tiffany King TuTh 2:00pm - 3:15pm	Seats (Total: 25) HZF 0101

AMST260 **American Culture in the Information Age**

AMST260 American Culture in the Information Age; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: AMST260 or AMST298I. Formerly AMST298I. Examines the ways in which content and form of public information interact with the culture, families & individuals. Class meets in the Non-print Media located in the Hornbake Library.

0101	Maria Velazquez MWF 1:00pm - 1:50pm	Seats (Total: 25) HBK RM-H
0201	Maria Velazquez MWF 2:00pm - 2:50pm	Seats (Total: 25) HBK RM-H

AMST298C **Introduction to Asian American Studies**

AMST298C Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Also offered as AAST 200.

0101	Larry Shinagawa TuTh 3:30pm - 4:45pm	Seats (Total: 40) ASY 3207

AMST298N **Filipino American Studies**

AMST298N Filipino American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as AAST298N.

0101	Gemirald Daus Tu 5:00pm - 7:30pm	Seats (Total: 40) JMP 3216

AMST328C **Perspectives on Identity and Culture; Chicano/Latino Art & Museum Studies**

AMST328C Perspectives on Identity and Culture: Chicano/Latino Art & Museum Studies; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robert Hernandez MW 12:00pm - 1:15pm	Seats (Total: 25) HZF 0101

AMST328D **Perspectives on Identity and Culture; Film Images of Native Americans**

AMST328D Perspectives on Identity and Culture: Film Images of Native Americans; (3 credits) Grade Method: REG/AUD.

0101	Gail Thakur Tu 6:00pm - 8:40pm *Class meets in Room H of the Non-Print Media Center.*	Seats (Total: 50) HBK RM-H

AMST340 **Introduction to History, Theories and Methods in American Studies**

AMST340 *(PermReq)* **Introduction to History, Theories and Methods in American Studies; (3 credits)** Grade Method: REG.
Prerequisite: Two AMST courses. Sophomore standing. For AMST majors only.
Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

0101	Jo Paoletti MW 10:00am - 11:15am	Seats (Total: 20) HZF 0106
0102	Lisa Gill TuTh 2:00pm - 3:15pm	Seats (Total: 20) HZF 1108

AMST386 **Experiential Learning**

AMST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Faculty mentored independent learning. Online interaction using Blackboard required.

Contact department for information to register for this course.

AMST388 **Honors Thesis**

AMST388 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST398 **Independent Studies**

AMST398 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST418A **Cultural Themes in America; America: African-American Visual and Material Culture**

AMST418A Cultural Themes in America: America: African-American Visual and Material Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Cheryl LaRoche	Seats (Total: 25)
	W 4:00pm - 6:40pm	PHY 1402

AMST418H **Cultural Themes in America; Cultural Themes in America-Honors**

AMST418H *(PermReq)* **Cultural Themes in America: Cultural Themes in America-Honors; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST418L **Asian Religions in American Culture**

AMST418L Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AAST498Q.

0101	L Gordon	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	HZF 0101

AMST429D **Perspectives on Popular Culture; Children and the Media**

AMST429D Perspectives on Popular Culture: Children and the Media; (3 credits) Grade Method: REG/P-F/AUD.

0101	Michael Brody	Seats (Total: 35)
	Tu 2:00pm - 3:15pm	BPS 1236
	Th 2:00pm - 3:15pm	BPS 1236

AMST429E **Perspectives on Popular Culture; Television Situation Comedy**

AMST429E Perspectives on Popular Culture: Television Situation Comedy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Greg Metcalf	Seats (Total: 35)
	Tu 3:30pm - 6:30pm	HBK 0302J

AMST429J **Perspectives on Popular Culture; Social Activism and Popular Culture**

AMST429J Perspectives on Popular Culture: Social Activism and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sheri Parks	Seats (Total: 35)
	MW 2:00pm - 3:15pm	HZF 0101

AMST429Q **Perspectives on Popular Culture; Global Cinema, Global Cities**

AMST429Q Perspectives on Popular Culture: Global Cinema, Global Cities; (3 credits) Grade Method: REG/P-F/AUD.

0101	Myron Lounsbury	Seats (Total: 35)
	MW 2:00pm - 4:45pm	EGR 0108

AMST432 **Literature and American Society**

AMST432 Literature and American Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Prior course in AMST, SOCY, American literature, or American history. Examination of the relationship between literature and society: including literature as cultural communication and the institutional framework governing its production, distribution, conservation and evaluation.

0101	R Kelly Class time/details on ELMs	Seats (Total: 35) ONLINE

AMST450 **Seminar in American Studies**

AMST450 *(PermReq)* **Seminar in American Studies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Nine hours prior coursework in American Studies, including AMST201. Senior standing. For AMST majors only. Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

0101	Myron Lounsbury MW 10:00am - 11:15am	Seats (Total: 20) HZF 1108
0201	Psyche Williams-Forson TuTh 12:30pm - 1:45pm	Seats (Total: 20) HZF 0108

AMST498P **Black Class: Stories of Race and Consumption from the Harlem Renaissance to Hip Hop**

AMST498P Black Class: Stories of Race and Consumption from the Harlem Renaissance to Hip Hop; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
ALso offered as AASP498P.

0101	Psyche Williams-Forson TuTh 2:00pm - 3:15pm	Seats (Total: 35) PLS 1129

AMST498Q **Special Topics in American Studies; Advanced Material Culture - Craft and Production**

AMST498Q Special Topics in American Studies: Advanced Material Culture - Craft and Production; (3 credits) Grade Method: REG.
Prerequisite: AMST205.

0101	Jo Paoletti	Seats (Total: 30)
	MW 2:00pm - 3:15pm	HBK 0108

AMST601 **Introductory Theories and History in American Studies**

AMST601 Introductory Theories and History in American Studies; (3 credits) Grade Method: REG.
Not open to Graduate Advanced Special Students. Explores the formative literature, theories, research approaches, and history of American Studies.

0101	Nancy Struna	Seats (Total: 15)
	M 4:00pm - 6:40pm	HZF 1108

AMST628K **Seminar in American Studies; Readings in American Labor History**

AMST628K Seminar in American Studies: Readings in American Labor History; (3 credits) Grade Method: REG/AUD.
Also offered as HIST678.

0101	Julie Greene	Seats (Total: 15)
	W 4:00pm - 6:30pm	HZF 1108

AMST629D **Seminar in American Studies; Social and Ethnic Issues in Historic Preservation Practice**

AMST629D Seminar in American Studies: Social and Ethnic Issues in Historic Preservation Practice; (3 credits) Grade Method: REG/AUD.
Also offered as HISP635.

0101	Mary Sies	Seats (Total: 15)
	Tu 7:00pm - 9:40pm	HZF 1108

AMST698 **Directed Readings in American Studies**

AMST698 *(PermReq)* **Directed Readings in American Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST798 **Non-Thesis Research**

AMST798 Non-Thesis Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST799 **Master's Thesis Research**

AMST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST801 **Research Seminar in American Life and Culture**

AMST801 Research Seminar in American Life and Culture; (3 credits) Grade Method: REG.
Prerequisites: Successful completion of two American Studies graduate readings seminar. A research writing seminar that provides students with an opportunity to complete an original research project to gain experience in related scholarly activities (proposing and configuring research and making conference-style presentation).

0101	Mary Sies	Seats (Total: 15)
	Th 6:00pm - 8:30pm	HZF 1108

AMST856 **Museum Research Seminar**

AMST856 Museum Research Seminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: AMST 655. Also offered as HIST 810. Credit will be granted for only one of the following: AMST 638D, AMST 856, HIST 810 or HIST 819D. Formerly AMST638D. A research seminar focusing on the practice and presentation of cultural and historical scholarship in museums and historical sites. Students will complete an original research project on the challenges and opportunities of public exhibition and interpretation of cultural and historical research.

0101	Robert Friedel	Seats (Total: 5)
	W 4:00pm - 6:30pm	TLF 2101

AMST857 **Museum Scholarship Practicum**

AMST857 Museum Scholarship Practicum; (3-6 credits) Grade Method: REG. *Prerequisite: AMST856 and Permission of Museum Scholarship Program. Credit will be granted for only one of the following: AMST857 or HIST811.* Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Mary Sies	Seats (Total: 2)
	Contact instructor or department for details.	

AMST898 **Pre-Candidacy Research**

AMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

AMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC Animal Science Fall 2009

ANSC101 **Principles of Animal Science**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ANSC101 Principles of Animal Science; (2 credits) Grade Method: REG/P-F/AUD. A comprehensive overview of the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. The role of science in modern food production using animals will be emphasized. Offered in fall semester only. Offered fall only.

0101	Michael Updike MW 1:00pm - 1:50pm	Seats (Total: 225) HJP 0226	

ANSC103 **Principles of Animal Science Laboratory**

ANSC103 Principles of Animal Science Laboratory; (1 credit) Grade Method: REG/P-F/AUD.

Pre- or corequisite: ANSC101. Restricted to ANSC majors. Other students in the College of AGNR can contact the department for permission to enroll. Laboratory focusing on the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. Labs will include live animals. Offered in fall semester only. Students must pay a $50.00 laboratory materials fee.

0101	Michael Updike Tu 12:00pm - 1:50pm	Seats (Total: 25) ANS 1144	Lab
0201	Michael Updike Tu 2:00pm - 3:50pm	Seats (Total: 25) ANS 1144	Lab
0301	Michael Updike Th 10:00am - 11:50am	Seats (Total: 25) ANS 1144	Lab
0401	Michael Updike Th 12:00pm - 1:50pm	Seats (Total: 25) ANS 1144	Lab

ANSC211 **Anatomy of Domestic Animals**

ANSC211 Anatomy of Domestic Animals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101, ANSC103, and BSCI105. For ANSC and ENSP (2299M) majors only. A systematic gross and microscopic comparative study of the anatomy of the major domestic animals. Special emphasis is placed on those systems important in animal production. Offered fall only. Students must pay a $50.00 laboratory materials fee.

0101	Angela Black MW 2:00pm - 2:50pm M 3:00pm - 4:50pm	Seats (Total: 20) ANS 0408 ANS 4132	 Lab
0102	Angela Black MW 2:00pm - 2:50pm W 3:00pm - 4:50pm	Seats (Total: 20) ANS 0408 ANS 4132	 Lab
0103	Angela Black MW 2:00pm - 2:50pm M 11:00am - 12:50pm	Seats (Total: 20) ANS 0408 ANS 4132	 Lab
0104	Angela Black MW 2:00pm - 2:50pm W 11:00am - 12:50pm	Seats (Total: 20) ANS 0408 ANS 4132	 Lab

ANSC233 **Equine Behavior**

ANSC233 *(PermReq)* **Equine Behavior; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101, ANSC103, and ANSC232. Credit will be granted for only one of the following: ANSC489B or ANSC233. Formerly ANSC489B. Both normal and anomalous behavior of horses will be covered. Emphasis will be given to techniques based on knowledge of behavior that are known to be safe and effective in handling horses. Students must pay a $50.00 laboratory materials fee.

0101	Lindsay Callahan W 10:00am - 10:50am Th 2:00pm - 3:50pm	Seats (Total: 20) ANS 0408 JUL 1123	 Lab

ANSC242 **Dairy Cattle Management**

ANSC242 Dairy Cattle Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103. Formerly: ANSC240 and ANSC241. All aspects of dairy production, including nutrition, reproduction, mastitis control, milking management, farmstead facilities, financial management and forage production. Students must pay a $50.00 laboratory studio fee.

0101	Richard Erdman	Seats (Total: 60)	
	TuTh 11:00am - 12:15pm	ANS 0408	

ANSC252 **Introduction to the Diseases of Wildlife**

ANSC252 Introduction to the Diseases of Wildlife; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 or equivalent or permission of department. The principal diseases of North American wildlife will be briefly considered. For each disease, specific attention will be given to the following: signs evidenced by the affected animal or bird, causative agent, means of transmission and effects of the disease on the population of the species involved. Offered fall only.

0101	Cindy Driscoll	Seats (Total: 65)	
	M 4:00pm - 5:50pm	ANS 0408	
	M 6:00pm - 6:50pm	ANS 0408	Discussion

ANSC255 **Introduction to Aquaculture**

ANSC255 Introduction to Aquaculture; (3 credits) Grade Method: REG.
Prerequisite: ANSC101 and ANSC103; or an introductory biology course. Introduces the art and science of rearing aquatic animals and the essential principles of aquaculture. Students receive hands-on training in the methods required for successful husbandry and management of aquatic animals in their water environment. Students must pay a $50.00 laboratory materials fee.

0101	L Woods	Seats (Total: 16)	
	M 12:00pm - 2:00pm	ANS 0412	
	F 12:00pm - 2:00pm	ANS 0412	Lab

ANSC314 **Comparative Animal Nutrition**

ANSC314 Comparative Animal Nutrition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ANSC101, ANSC103, and (CHEM104 or CHEM231).* The fundamental role and implications of dietary preference, gastrointestinal physiology and nutrients in animal nutrition. Biochemical roles of nutrients in metabolism, digestion, absorption and assimilation as it relates to various life processes. Offered fall only.

0101	Brian Bequette	Seats (Total: 88)	
	MWF 9:00am - 9:50am	ANS 0408	

ANSC330 **Equine Science**

ANSC330 Equine Science; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC232 or permission of instructor. Recommended: ANSC211 and ANSC212. Credit will be granted for only one of the following: ANSC230 or ANSC330. Formerly ANSC230.* Scientific principles of horse behavior, anatomy, physiology, locomotion, nutrition, reproduction, growth, health and disease as applied to horses are emphasized. Offered fall only. Students must pay a $50.00 laboratory materials fee.

0101	Amy Burk	Seats (Total: 20)	
	MW 1:00pm - 1:50pm	ANS 0402	
	Tu 10:00am - 12:00pm	ANS 1144	Lab

ANSC386 **Experiential Learning**

ANSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing.

Contact department for information to register for this course.

ANSC399 **Special Problems in Animal Science**

ANSC399 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC437 **Animal Biotechnology**

ANSC437 Animal Biotechnology; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC327 or equivalent. Key concepts and current issues in animal biotechnology are covered. Current techniques and applications systems as well as social, ethical, and regulatory issues associated with biotechnology will be discussed.

0101	Carol Keefer	Seats (Total: 20)	
	MW 1:00pm - 1:50pm	ANS 1144	
	F 1:00pm - 1:50pm	ANS 1144	Discussion

ANSC446 **Physiology of Mammalian Reproduction**

ANSC446 Physiology of Mammalian Reproduction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI440 or ANSC212. Anatomy and physiology of reproductive processes in domesticated and wild mammals.

0101	Mark Varner, Edward Orlando	Seats (Total: 80)
	TuTh 2:00pm - 3:15pm	ANS 0408

ANSC447 **Physiology of Mammalian Reproduction Laboratory**

ANSC447 Physiology of Mammalian Reproduction Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Pre- or corequisite: ANSC446. Gross and micro-anatomy, artificial insemination, estrous cycle synchronization and invitro-fertilization procedures and analytical techniques useful in animal management and reproduction. Students must pay a $50.00 laboratory materials fee.

0101	Edward Orlando	Seats (Total: 20)	
	W 3:00pm - 5:00pm	ANS 1144	Lab

ANSC455 **Applied Animal Behavior**

ANSC455 Applied Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ANSC101 and ANSC103; or BSCI106. Principles of animal behavior applied to production systems in animal agriculture. Offered fall only.

0101	Janet Halperin	Seats (Total: 45)	
	MF 11:00am - 11:50am	ANS 0408	
	W 11:00am - 12:50pm	ANS 0408	Lab

ANSC489 **Current Topics in Animal Science**

ANSC489 Current Topics in Animal Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC489J **Current Topics in Animal Science; Principles of Livestock Evaluation**

ANSC489J *(PermReq)* **Current Topics in Animal Science: Principles of Livestock Evaluation; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Michael Updike	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC660 **Poultry Literature**

ANSC660 Poultry Literature; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

Contact department for information to register for this course.

ANSC688C **Special Topics; Cognitive Ethology**

ANSC688C Special Topics: Cognitive Ethology; (2 credits) Grade Method: REG/AUD.

0101	William Stricklin	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC688E **Special Topics; Equine Nutrition**

ANSC688E Special Topics: Equine Nutrition; (1 credit) Grade Method: REG/AUD.

0101	Amy Burk	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC688N **Special Topics; Membrane Traffic**

ANSC688N Special Topics: Membrane Traffic; (3 credits) Grade Method: REG/AUD.
Also offered as MOCB708A.

0101	Ian Mather	Seats (Total: 20)
	TuTh 9:30am - 10:45am	ANS 0402

ANSC698C **Seminar; Recent Advances in Animal and Avian Sciences**

ANSC698C Seminar: Recent Advances in Animal and Avian Sciences; (1 credit) Grade Method: REG/AUD.

0101	Nickolas Zimmermann	Seats (Total: 25)
	Tu 4:00pm - 4:50pm	ANS 0467

ANSC698D **Seminar; Developing Presentation Skills**

ANSC698D Seminar: Developing Presentation Skills; (1 credit) Grade Method: REG/AUD.

0101	Nickolas Zimmermann	Seats (Total: 12)
	Tu 4:00pm - 4:50pm	ANS 0467

ANSC699 **Special Problems in Animal Science**

ANSC699 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC799 **Master's Thesis Research**

ANSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC898 **Pre-Candidacy Research**

ANSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**

ANSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH Anthropology Fall 2009

ANTH220 **Introduction to Biological Anthropology**

ANTH220 Introduction to Biological Anthropology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course. Human biological evolution, including the biology of contemporary human groups, non-human primate social behavior, and the fossil, biochemical, and molecular evidence for human evolution. Includes a laboratory study of human population genetics, biochemical variation, and anatomical diversity in modern and fossil human and non-human primate groups. Students must pay a $30 laboratory materials fee.

0101	Teresa Leslie TuTh 11:00am - 12:15pm M 8:00am - 10:00am	Seats (Total: 20) CHM 1402 WDS 0124C	 Lab
0102	Teresa Leslie TuTh 11:00am - 12:15pm M 11:00am - 1:00pm	Seats (Total: 20) CHM 1402 WDS 0124C	 Lab
0103	Teresa Leslie TuTh 11:00am - 12:15pm M 2:00pm - 4:00pm	Seats (Total: 20) CHM 1402 WDS 0124C	 Lab
0104	Teresa Leslie TuTh 11:00am - 12:15pm W 8:00am - 10:00am	Seats (Total: 20) CHM 1402 WDS 0124C	 Lab
0105	Teresa Leslie TuTh 11:00am - 12:15pm W 11:00am - 1:00pm	Seats (Total: 20) CHM 1402 WDS 0124C	 Lab

0106	Teresa Leslie TuTh 11:00am - 12:15pm W 2:00pm - 4:00pm	Seats (Total: 20) CHM 1402 WDS 0124C	Lab
FC01	Teresa Leslie TuTh 4:30pm - 5:45pm F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) PLS 1140 WDS 0124C	Lab
FC02	Teresa Leslie TuTh 4:30pm - 5:45pm F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) PLS 1140 WDS 0124C	Lab
FC03	Teresa Leslie TuTh 4:30pm - 5:45pm F 2:30pm - 3:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) PLS 1140 WDS 0124C	Lab
FC04	Teresa Leslie TuTh 4:30pm - 5:45pm F 10:00am - 11:15am	Seats (Total: 19) PLS 1140 WDS 0124C	Lab

ANTH240 **Introduction to Archaeology**

ANTH240 Introduction to Archaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

0101	Stephen Brighton MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) PLS 1140 WDS 0104	Discussion
0102	Stephen Brighton MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) PLS 1140 WDS 1130	Discussion

0103	Stephen Brighton MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) PLS 1140 WDS 0104	Discussion
0201	Jocelyn Knauf MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) ASY 2309 ASY 2309	Discussion
FC01	Matthew Palus TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 39) PLS 1140	

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

ANTH260 Introduction to Sociocultural Anthropology and Linguistics; (3 credits)
Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101	William Stuart MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 WDS 0104	Discussion
0102	William Stuart MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 WDS 0104	Discussion
0103	William Stuart MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 WDS 1130	Discussion
0104	William Stuart MW 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) MMH 1400 KEY 0125	Discussion
0105	William Stuart MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) MMH 1400 HZF 0101	Discussion

FC01	William Stuart	Seats (Total: 32)
	TuTh 4:30pm - 5:45pm	WDS 1114
	Restricted to students in Freshmen Connection.	

ANTH298C **Archaeology of the University: Uncovering the University of Maryland's Origins**

ANTH298C Archaeology of the University: Uncovering the University of Maryland's Origins; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
The course will meet in the classroom for weeks 1, 13-15. The course will meet off campus at Riverdale Museum 4811 Riverdale Road, Riverdale Park, MD 20737 for weeks 2-12. Excavation site will be approximately 3 miles south of campus. Transportation will be provided to the excavation site. Click here for more course information.

FC01	David Gadsby	Seats (Total: 10)
	F 8:00am - 5:00pm	WDS 1125
	Restricted to students in Freshmen Connection.	

ANTH298D **Introduction to Zooarchaeology**

ANTH298D Introduction to Zooarchaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Click here for more course information.

0101	Amanda Tang	Seats (Total: 25)
	F 2:00pm - 5:00pm	WDS 1114

ANTH298G **Cultures of the World**

ANTH298G Cultures of the World; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

FC01	Rebecca Klein	Seats (Total: 27)
	TuTh 7:30pm - 8:45pm	TLF 1103
	Restricted to students in Freshmen Connection.	

ANTH320 **Method and Theory in Biological Anthropology**

ANTH320 Method and Theory in Biological Anthropology; (3 credits) Grade Method: REG/P-F.
Prerequisite: ANTH220 or permission of department. For all Anthropology majors with a focus in biological anthropology or permission of department. Credit will be granted for only one of the following: {ANTH320 and ANTH425} or ANTH625. Theoretical and methodological overview of biological anthropology, including evolutionary anthropology, anthropological genetics, physiological anthropology, human biology, primatology, paleoanthropology, human biodiversity, and contemporary selective challenges to modern humanity. Emphasis on core concepts and their research applications.

0101	Teresa Leslie	Seats (Total: 35)
	TuTh 9:30am - 10:45am	WDS 0104

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

ANTH358A *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Archaeology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

ANTH358B *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Bio-Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

ANTH358C *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Cultural Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH364 **The Anthropology of Religion**

ANTH364 The Anthropology of Religion; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANTH260.* Comparative study of religion in social, cultural, political, and economic context. Combines the history of schools of interpretation with a survey of theoretical alternatives and a focus on selected case studies. Also offered as ANTH688R.

0101	William Stuart	Seats (Total: 35)
	TuTh 9:30am - 10:45am	WDS 1114

ANTH366 **Film Images of Native Americans**

ANTH366 Film Images of Native Americans; (3 credits) Grade Method: REG/AUD. An examination of how indigenous people of the New World have been presented to film audiences of the world. Development of an ethnographic understanding of Native Americans via the use of videos, films, and classroom discussion. An examination of how indigenous people of the New World have been represented. Development of an ethnoghraphic understanding of Native Americans via the use of film, photography, paintings and other media.

0101	Gail Thakur	Seats (Total: 50)
	Tu 6:00pm - 8:40pm	HBK RM-H
	Class meets in Room H of the Non-Print Media Center.	

ANTH368C **Regional Ethnography; Cinema and Society in Contemporary South Korea**

ANTH368C Regional Ethnography: Cinema and Society in Contemporary South Korea; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	John Finch	Seats (Total: 30)
	W 3:00pm - 6:00pm	Location: TBA
	Class meets in Room H on the Non-Print Media Center of Hornbake Library	

ANTH368I **Regional Ethnography; Peacebuilding, Post-Conflict Reconstruction, and International Development**

ANTH368I *(PermReq)* **Regional Ethnography: Peacebuilding, Post-Conflict Reconstruction, and International Development; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as GVPT354. Click here for more information.

0101	John Grayzel	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	TYD 0101

ANTH386 **Experiential Learning**

ANTH386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Recommended: completion of advanced courses in relevant subfield of anthropology. Junior standing. For ANTH majors only.

Contact department for information to register for this course.

ANTH398A **Independent Study; Research Problems**

ANTH398A *(PermReq)* **Independent Study: Research Problems; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH398H **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398L **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398R **Independent Study; Proseminar-Capstone Research**

ANTH398R *(PermReq)* **Independent Study: Proseminar-Capstone Research; (1 credit)** Grade Method: REG/P-F/AUD.
Required course for ANTH students undertaking capstone research and/or thesis (must be taken concurrently with ANTH 476, ANTH 477, ANTH 486, ANTH 487).

0101	William Stuart	Seats (Total: 15)
	M 12:00pm - 12:50pm	WDS 1127

ANTH398T **Independent Study; Proseminar-Capstone Thesis Writing**

ANTH398T *(PermReq)* **Independent Study: Proseminar-Capstone Thesis Writing; (1 credit)** Grade Method: REG/P-F/AUD.

0101	William Stuart	Seats (Total: 15)
	M 12:00pm - 12:50pm	WDS 1127

ANTH410 **Theory and Practice of Health and Community Development**

ANTH410 Theory and Practice of Health and Community Development; (3 credits) Grade Method: REG/AUD.
Junior standing. Also offered as ANTH610. Credit will be granted for only one of the following: ANTH410 or ANTH610. Introduction to the relationships between culture, health status and practices, and the design of community-based initiatives. The focus is on the use of anthropological knowledge and skills in the analysis of such relationships and in the design of community-based initiatives.

0101	Judith Freidenberg	Seats (Total: 20)
	Th 6:00pm - 8:40pm	WDS 1114

ANTH428Z **Special Topics in Bioanthropology; Anthropology of Disease**

ANTH428Z Special Topics in Bioanthropology: Anthropology of Disease; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH220. Also offered as ANTH689Z. Click here for more course information.

0101	Teresa Leslie	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	WDS 1130

ANTH429B **Advanced Special Topics in Biological Anthropology; Anthropology in Forensic Science**

ANTH429B Advanced Special Topics in Biological Anthropology: Anthropology in Forensic Science; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Marilyn London	Seats (Total: 40)
	Tu 4:00pm - 6:45pm	SG3 2206
	This section meets at the Shady Grove campus.	

ANTH440 **Theory and Practice of Historical Archaeology**

ANTH440 Theory and Practice of Historical Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Also offered as ANTH640. Credit will be granted for only one of the following: ANTH440 or ANTH640. Historical archaeology enhances cultural heritage by providing voice for groups who were often unable to record their own histories, such as women, laborers, working class families, and enslaved people. The course provides insight into issues related to race, gender, and ethnicity as they relate to multicultural histories.

0101	Paul Shackel	Seats (Total: 15)
	M 3:00pm - 5:40pm	WDS 1114

ANTH448B **Special Topics in Archaeology; Archaeological Law and Preservation**

ANTH448B Special Topics in Archaeology: Archaeological Law and Preservation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Also offered as ANTH689B. Click here for more information.

0101	Donald Craib	Seats (Total: 10)
	Tu 6:00pm - 8:40pm	WDS 1127

ANTH448Q **Special Topics in Archaeology; The Archaeology of Modern Cities**

ANTH448Q Special Topics in Archaeology: The Archaeology of Modern Cities; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Also offered as ANTH689Q. Click here for more course information.

0101	Stephen Brighton	Seats (Total: 25)
	MW 1:00pm - 2:15pm	WDS 1114

ANTH448V **Special Topics in Archaeology; Public Archaeology**

ANTH448V Special Topics in Archaeology: Public Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Also offered as ANTH642. Click here for more course information.

0101	Mark Leone Tu 2:00pm - 4:40pm	Seats (Total: 20) MMH 3418

ANTH450 **Theory and Practice of Environmental Anthropology**

ANTH450 Theory and Practice of Environmental Anthropology; (3 credits) Grade Method: REG/AUD.
Junior standing. Also offered as ANTH650. Credit will be granted for only one of the following: ANTH450 or ANTH650. An overview of contemporary application of cultural theory and methods to environmental problems. Topics include the use of theories of culture, cognitive approaches, discourse analysis, and political ecology. Case studies from anthropology, other social sciences, humanities, conservation, and environmental history are used to demonstrate the applied value of a cultural-environmental approach. Also offered as ANTH650.

0101	Michael Paolisso TuTh 12:30pm - 1:45pm	Seats (Total: 14) WDS 1114

ANTH468B **Special Topics in Cultural Anthropology; Urban Ethnography**

ANTH468B Special Topics in Cultural Anthropology: Urban Ethnography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH260. Also offered as ANTH617. Click here for more course information.

0101	Tony Whitehead Th 2:00pm - 5:00pm	Seats (Total: 14) KEY 0126

ANTH468G **Special Topics in Cultural Anthropology; Inventions of Heritage**

ANTH468G Special Topics in Cultural Anthropology: Inventions of Heritage; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH260. Also offered as ANTH670. Click here for more course information.

0101	Erve Chambers TuTh 11:00am - 12:15pm	Seats (Total: 6) WDS 0104

ANTH470 **History and Philosophy of Anthropological Inquiry**

ANTH470 History and Philosophy of Anthropological Inquiry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH220 or ANTH240 or ANTH260. Recommended: ANTH320 or ANTH340 or ANTH360 or ANTH380. Also offered as ANTH670. Credit will be granted for only one of the following: ANTH470 or ANTH670. Important philosophical and historical aspects of anthropological theorizing. Attention will be given on the Ontological and Epistemological (the latter including Methodological) assumptions of the major camps and paradigms in anthropology over the past one hundred or so years, especially the last three decades. A focus on developments in cultural anthropology, while addressing the other subfields of anthropology.

0101	William Stuart	Seats (Total: 15)
	M 6:00pm - 9:00pm	WDS 0104

ANTH476 **Senior Research**

ANTH476 *(PermReq)* **Senior Research; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
For ANTH majors only. Credit will be granted for only one of the following: ANTH476 or ANTH486. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

ANTH477 *(PermReq)* **Senior Thesis; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH476; permission of department. For ANTH majors only. Credit will be granted for only one of the following: ANTH477 or ANTH487. Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

ANTH486 *(PermReq)* **Honors Research; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH486 or ANTH476. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

ANTH487 *(PermReq)* **Honors Thesis; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: ANTH486; permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH487 or ANTH477. Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH498N **Advanced Field Training in Ethnography; Ethnology of the Immigrant Life**

ANTH498N Advanced Field Training in Ethnography: Ethnology of the Immigrant Life; (4 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH689N. Click here for more course information.

0101	Judith Freidenberg	Seats (Total: 10)
	W 6:00pm - 8:40pm	WDS 0104
	Contact instructor or department for details.	

ANTH601 **Applied Anthropology**

ANTH601 Applied Anthropology; (3 credits) Grade Method: REG.
An overview of the history and current practices of applied anthropology. This includes relationships between applied anthropology and other major subfields of the profession; the interdisciplinary and public context of applied anthropology; and problems of significance, utility, and ethics associated with applied anthropology. Offered fall only.

0101	Erve Chambers M 6:00pm - 8:40pm	Seats (Total: 25) WDS 1114

ANTH606 **Qualitative Methods in Applied Anthropology**

ANTH606 Qualitative Methods in Applied Anthropology; (3 credits) Grade Method: REG/AUD.
An introduction to the use of ethnography and qualitative methods in applied and policy contexts. Qualitative methods discussed include informal and systematic approaches. Students undertake fieldwork in local settings to practice the qualitative methods and to develop analysis and report writing skills. Offered fall only.

0101	Michael Paolisso W 6:00pm - 8:40pm	Seats (Total: 25) WDS 1114

ANTH610 **Advanced Studies in Theory and Practice of Health and Community Development**

ANTH610 Advanced Studies in Theory and Practice of Health and Community Development; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH 410. Credit will be granted for only one of the following: ANTH 610 or ANTH 410. Introduction to the relationships between culture, health status and practices, and the design of community-based initiatives. The focus is on the use of anthropological knowledge and skills in the analysis of such relationships and in the design of community-based initiatives.

0101	Judith Freidenberg Th 6:00pm - 8:40pm	Seats (Total: 10) WDS 1114

ANTH617 **Applied Urban Ethnography: Community Assessment Research**

ANTH617 Applied Urban Ethnography: Community Assessment Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH468B, ANTH617, or ANTH688B. Explores the use of ethnographic research methods in carrying out community assessment research to inform the design, implementation, and evaluation of culturally and community appropriate community-based initiatives. This course usually has a fieldwork component in a local urban neighborhood. Also offered as ANTH468B.

0101	Tony Whitehead Th 2:00pm - 5:00pm	Seats (Total: 14) KEY 0126

ANTH640 **Advanced Studies in Theory and Practice of Historical Archaeology**

ANTH640 Advanced Studies in Theory and Practice of Historical Archaeology; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH440. Credit will be granted for only one of the following: ANTH440 or ANTH640. Historical archaeology enhances cultural heritage by providing voice for groups who were often unable to record their own histories, such as women, laborers, working class families, and enslaved people. The course provides insight into issues related to race, gender, and ethnicity as they relate to multicultural histories.

0101	Paul Shackel M 3:00pm - 5:40pm	Seats (Total: 15) WDS 1114

ANTH642 **Advanced Studies in Public Archaeology**

ANTH642 Advanced Studies in Public Archaeology; (3 credits) Grade Method: REG/AUD.
Explores the uses and environments for archaeological work through a discussion of museum, electronic media, heritage settings, outdoor history museums, including the legal environment that offers protection for archaeological remains. The course exposes advanced graduate students to the majority of the cultural media within which archaeology is currently practiced. The interdisciplinary course is a survey of the progress made within and beyond anthropology in understanding the function of heritage, public memory, tourism, and the other popular uses of material from the past, including the progress made in linguistics and psychology, and other cognitive disciplines in understanding the purpose of the past. Also offered as ANTH448V. Click here for more course information.

0101	Mark Leone Tu 2:00pm - 4:40pm	Seats (Total: 10) MMH 3418

ANTH646 **Advanced Studies in Chesapeake Archaeology**
Contact department for information to register for this course.

ANTH650 **Advanced Studies in Theory and Practice of Environmental Anthropology**

ANTH650 Advanced Studies in Theory and Practice of Environmental Anthropology; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH 450. Credit will be granted for only one of the following: ANTH 450 or ANTH 650. An overview of contemporary application of cultural theory and methods to environmental problems. Topics include the use of theories of culture, cognitive approaches, discourse analysis, and political ecology. Case studies from anthropology, other social sciences, humanities, conservation, and environmental history are used to demonstrate the applied value of a cultural-environmental approach. Also offered as ANTH450.

0101	Michael Paolisso	Seats (Total: 6)
	TuTh 12:30pm - 1:45pm	WDS 1114

ANTH670 **Current Developments in Anthropological Theory**

ANTH670 Current Developments in Anthropological Theory; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH470. Credit will be granted for only one of the following: ANTH470 or ANTH670. A review of major contributions to anthropological theory, with a special emphasis on the relationship between practice and theory. Includes use of concept of culture in the four traditional subfields, fieldwork and grounded theory, and significant advances in general theory, symbolic anthropology, critical theory, and postmodernism.

0101	William Stuart	Seats (Total: 15)
	M 6:00pm - 9:00pm	WDS 0104

ANTH688A **Current Developments in Anthropology**

ANTH688A *(PermReq)* **Current Developments in Anthropology; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH688G **Current Developments in Anthropology; Inventions of Heritage**

ANTH688G Current Developments in Anthropology: Inventions of Heritage; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH468G.

0101	Erve Chambers	Seats (Total: 9)
	TuTh 11:00am - 12:15pm	WDS 0104

ANTH688R **Current Developments in Anthropology; Anthropology of Religion**

ANTH688R Current Developments in Anthropology: Anthropology of Religion; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH364.

0101	William Stuart	Seats (Total: 10)
	TuTh 9:30am - 10:45am	WDS 1114

ANTH689A **Special Problems in Anthropology**

ANTH689A *(PermReq)* **Special Problems in Anthropology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH689B **Special Problems in Anthropology; Archaeological Law and Preservation**

ANTH689B Special Problems in Anthropology: Archaeological Law and Preservation; (3 credits) Grade Method: REG/S-F.
Also offered as ANTH448B. Click here for more information.

0101	Donald Craib	Seats (Total: 10)
	Tu 6:00pm - 8:40pm	WDS 1127

ANTH689G **Special Problems in Anthropology; Designing Cultural Analysis for National Security**

ANTH689G Special Problems in Anthropology: Designing Cultural Analysis for National Security; (3 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH689N **Special Problems in Anthropology; Ethnology of the Immigrant Life**

ANTH689N Special Problems in Anthropology: Ethnology of the Immigrant Life; (4 credits) Grade Method: REG/S-F.
Also offered as ANTH498N. Click here for more course information.

0101	Judith Freidenberg W 6:00pm - 8:40pm Contact instructor or department for details.	Seats (Total: 5) WDS 0104

ANTH689Q **Special Problems in Anthropology; Modern World Archaeology of Cities**

ANTH689Q Special Problems in Anthropology: Modern World Archaeology of Cities; (3 credits) Grade Method: REG/S-F.
Also offered as ANTH448Q.

0101	Stephen Brighton MW 1:00pm - 2:15pm	Seats (Total: 10) WDS 1114

ANTH689Z **Special Problems in Anthropology; Anthropology of Disease**

ANTH689Z Special Problems in Anthropology: Anthropology of Disease; (3 credits) Grade Method: REG/S-F.
Also offered as ANTH428Z. Click here for more course information.

0101	Teresa Leslie TuTh 12:30pm - 1:45pm	Seats (Total: 5) WDS 1130

ANTH712 **Anthropology Internship Analysis**

ANTH712 *(PermReq)* **Anthropology Internship Analysis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH789. The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH788 **Internship Research**

ANTH788 *(PermReq)* **Internship Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH789 **Internship**

ANTH789 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH898 **Pre-Candidacy Research**

ANTH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**

ANTH899 Doctoral Dissertation Research; (6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Fall 2009

AOSC200 **Weather and Climate**

AOSC200 Weather and Climate; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
CORE Physical Science Lab (PL) course only when taken concurrently with AOSC201. Prerequisites: MATH110 or MATH115. Recommended as a corequisite: AOSC201/METO201. Formerly METO200. Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Robert Hudson TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 33) CSS 2324 CSS 2428	 Discussion
0102	Robert Hudson TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 33) CSS 2324 CSS 2428	 Discussion
0103	Robert Hudson TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 34) CSS 2324 CSS 2428	 Discussion
0201	Robert Hudson TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 35) EGR 1202 BPS 1236	 Discussion
0202	Robert Hudson TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 35) EGR 1202 BPS 1236	 Discussion
0203	Robert Hudson TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 35) EGR 1202 COL 0113	 Discussion
0204	Robert Hudson TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 35) EGR 1202 COL 0113	 Discussion

AOSC201 **Weather and Climate Laboratory**

AOSC201 Weather and Climate Laboratory; (1 credit) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
CORE Physical Science Lab (PL) course only when taken concurrently with AOSC200. Corequisite: AOSC200/METO200. Formerly METO201. Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling. Students must pay a $50.00 laboratory materials fee.

0101	Yan Zhou Tu 2:30pm - 4:20pm	Seats (Total: 18) CSS 3426	 Lab

0102	Allison Monarski W 8:00am - 10:00am	Seats (Total: 18) CSS 3426	Lab
0103	Joanne Hall F 8:00am - 10:00am	Seats (Total: 18) CSS 3426	Lab
0104	Argyro Kavvada M 8:00am - 10:00am	Seats (Total: 18) CSS 3426	Lab

AOSC375 **Introduction to the Blue Ocean**

AOSC375 Introduction to the Blue Ocean; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140. Recommended: MATH141, PHYS161, or PHYS171. Also offered as GEOL375. Credit will be granted for only one of the following: GEOL 375 or METO 375. Introduction to physical, chemical, and biological properties of the ocean. Role of the ocean in climate as a component of the Earth system. El Nino and the ocean, imipact of global warming on the ocean and marine habitats including fisheries.

0101	Raghu Murtugudde MW 10:00am - 11:30am	Seats (Total: 15) CSS 0201	

AOSC400 **The Atmosphere**

AOSC400 The Atmosphere; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH141, PHYS161, PHYS171 or permission of department. Formerly METO400. The atmosphere and its weather and climate systems. Composition of the atmosphere, energy sources and sinks, winds, storms and global circulation. The application of basic classical physics, chemistry and mathematics to the study of the atmosphere.

0101	Rachel Pinker TuTh 11:00am - 12:15pm	Seats (Total: 20) CSS 2416	

AOSC431 **Atmospheric Physics and Thermodynamics**

AOSC431 Atmospheric Physics and Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 or MATH461; PHYS270 and PHYS271 (Formerly: PHYS263); CHEM131 and CHEM132 (Formerly: CHEM103). Recommended: MATH246. Credit will be granted for only one of the following: AOSC431 or METO431. Formerly METO431. The general character of the atmosphere and its weather and climate systems, phenomena and distributions of variables (winds, temperature, pressure and moisture). The formal framework of the science; the application of basic classical physics, chemistry, mathematics and computational sciences to the atmosphere.

0101	Daniel Kirk-Davidoff	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CSS 2416

AOSC499 **Special Problems in Atmospheric Science**

AOSC499 Special Problems in Atmospheric Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC600 **Synoptic Meteorology I**

AOSC600 Synoptic Meteorology I; (3 credits) Grade Method: REG/AUD.
Prerequisites: METO 610 and METO 620. Formerly METO600. Atmospheric properties and observations, meteorological analysis and charts, operational numerical forecasts. Application of quasigeostrophic theory, baroclinic instability, midlatitude and mesoscale weather systems. Tropical meteorology.

0101	Vernon Kousky	Seats (Total: 15)
	TuTh 9:00am - 10:15am	CSS 3425

AOSC610 **Dynamics of the Atmosphere and Ocean I**

AOSC610 Dynamics of the Atmosphere and Ocean I; (3 credits) Grade Method: REG/AUD.
Pre- or corequisite: MATH 462 or equivalent PDE (partial differential equations) course. Formerly METO610. Equations of motion and their approximation, scale analysis for the atmosphere and the ocean. Conservation properties. Fluid motion in the atmosphere and oceans. Circulation and vorticity, geostrophic motion and the gradient wind balance. Turbulence and Ekman Layers.

0101	Da-Lin Zhang	Seats (Total: 30)
	MF 9:00am - 9:50am	CSS 2428
	W 9:00am - 9:50am	CSS 2428

AOSC614 **Atmospheric Modeling, Data Assimilation and Predictability**

AOSC614 Atmospheric Modeling, Data Assimilation and Predictability; (3 credits) Grade Method: REG.
Prerequisite: METO 610 or permission of instructor. Recommended: METO 611. Formerly METO614. Solid foundation for atmospheric and oceanic modeling and numerical weather prediction: numerical methods for partial differential equations, an introduction to physical parameterizations, modern data assimilation, and predictability.

0101	Eugenia Kalnay	Seats (Total: 15)
	W 10:00am - 12:30pm	CSS 2428

AOSC620 **Physics and Chemistry of the Atmosphere I**

AOSC620 Physics and Chemistry of the Atmosphere I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 461 or equivalent Scientists Linear Algebra course. Formerly METO620. Air parcel thermodynamics and stability; constituent thermodynamics and chemical kinetics. Cloud and aerosol physics and precipitation processes.

0101	Russell Dickerson	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CSS 2416

AOSC658C **Special Topics in Meteorology; Numerical Methods in Atmospheric and Oceanic Science**

AOSC658C Special Topics in Meteorology: Numerical Methods in Atmospheric and Oceanic Science; (3 credits) Grade Method: REG/AUD.
Introduction to numerical methods used in atmospheric and oceanic sciences, such as numerical integration, Fourier analysis, solution of ODEs and PDEs, visualization of satellite data, etc. A hands on programming course, taught in a computer laboratory setting, utilizing Fortran, IDL,and Matlab. No prior programming experience required.

0101	Ross Salawitch	Seats (Total: 18)
	MWF 12:45pm - 1:50pm	CSS 3426

AOSC658N **Special Topics in Meteorology; North American Hydroclimate**

AOSC658N Special Topics in Meteorology: North American Hydroclimate; (1-3 credits) Grade Method: REG/AUD.

0101	Sumant Nigam	Seats (Total: 20)
	Tu 10:30am - 11:00am	CSS 3425

AOSC670 **Physical Oceanography**

AOSC670 Physical Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as GEOL670. Credit will be granted for only one of the following: GEOL670 or AOSC670. Formerly METO670.
Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, gochemical tracers. Western boundary currents, maintenance of the thermocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.

0101	James Carton	Seats (Total: 20)
	MW 2:00pm - 3:15pm	CSS 2416

AOSC680 **Introduction to Earth System Science**

AOSC680 Introduction to Earth System Science; (3 credits) Grade Method: REG/AUD.
An introduction to the study of the earth as a system: atmosphere, oceans, land, cryosphere, solid earth, and humans. Cylcing of materials and energy in the earth system: the energy cycle, the hydrologic cycle, the carbon cycle, the nitrogen cycle. Climate processes and variability:land-atmosphere, ocean-atmosphere, biosphere-climate, and human interactions, short- and long-term variability in climate.

0101	Antonio Busalacchi	Seats (Total: 20)
	W 1:00pm - 3:30pm	Location: TBA
	Class meets at the M-Square Office Building Suite 4001 Room 4046.	

AOSC684 **Climate System Modeling**

AOSC684 Climate System Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: METO 617 or permission of instructor. Fundamentals in building computer models to simulate the components of the climate system: atmosphere, ocean ice, land-surface, terrestrial and marine ecosystems, and the biogeochemical cycles embedded in the physical climate system, in particular, the carbon cycle. Simple to state-of-the-art research models to tackle problems such as the Daisy World, El Nino and global warming.

0101	Ning Zeng	Seats (Total: 25)
	M 9:45am - 12:15pm	CSS 2416

AOSC798 **Directed Graduate Research**

AOSC798 Directed Graduate Research; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number. Course intended for those students not yet admitted to PhD candidacy to work on research with a professor.

Contact department for information to register for this course.

AOSC811 **Seminar in Atmospheric, Oceanic and Climate Sciences**

AOSC811 Seminar in Atmospheric, Oceanic and Climate Sciences; (1 credit) Grade Method: REG/AUD.
A department seminar series that covers a broad range of topics in the contemporary sciences of atmosphere, ocean and climate.

0101	Kayo Ide Th 3:30pm - 4:30pm	Seats (Total: 40) CSS 2400

AOSC898 **Pre-Candidacy Research**

AOSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

AOSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARAB Arabic Fall 2009

ARAB104 **Elementary Modern Standard Arabic I-II**

ARAB104 Elementary Modern Standard Arabic I-II; (6 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Arabic. An intensive course focusing on developing functional proficiency in the standard Arabic language, both written and formal spoken. Begins with script and phonology, and develops into a limited range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

0101	Alaa Elgibali MWF 10:00am - 11:50am	Seats (Total: 15) JMZ 2117
0201	Bouchra Araji MWF 10:00am - 11:50am	Seats (Total: 15) HBK 1112
0301	Meryem Cherrouk MWF 12:00pm - 1:50pm	Seats (Total: 15) JMZ 2117

0401	Dina El-Hefnawy WF 12:00pm - 1:50pm M 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 15) JMZ 0205 JMZ 3122 JMZ 2120
0501	Meryem Cherrouk MWF 10:00am - 11:50am	Seats (Total: 15) MTH 2300
0601	Meryem Cherrouk MWF 3:00pm - 4:50pm *This section requires departmental permission.*	Seats (Total: 15) JMZ 3118

ARAB106 **Elementary Egyptian Colloquial Arabic I**

ARAB106 Elementary Egyptian Colloquial Arabic I; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Arabic. Basic knowledge of Arabic script required. Can be taken concurrently with an MSA course. Introduction to the widely spread spoken variety of Egyptian Arabic, covering the basic range of communicative and cultural situations where Modern Standard Arabic is not used. Emphasis is on developing the learners' listening and speaking skills in Egyptian Arabic, since colloquial Arabic dialects are mainly used in speech.

0101	Dina El-Hefnawy TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2125
FLP1	Inas Hassan TuTh 9:30am - 10:45am *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 15) JMZ 1211
FLP2	Abdulmonam Alikaj TuTh 9:30am - 10:45am *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 15) EDU 0206

ARAB204 **Intermediate Modern Standard Arabic I**

ARAB204 Intermediate Modern Standard Arabic I; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB105. Covers topics related to contemporary Arabic society, literature and culture in standard written and formal spoken Arabic. Acquisition of more complex grammatical structures, expanding vocabulary, and reading, to develop a better understanding of the formal aspects of using MSA.

0101	Bouchra Araji MWF 12:00pm - 1:50pm	Seats (Total: 15) JMZ 1124
FLP1	Inas Hassan MWF 12:00pm - 1:50pm *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 15) JMZ 1211
FLP2	Abdulmonam Alikaj MW 10:00am - 11:50am F 10:00am - 11:50am *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 15) JMZ 1211 KEY 0107

ARAB206 **Elementary Egyptian Colloquial Arabic III**

ARAB206 Elementary Egyptian Colloquial Arabic III; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB107 or permission of department. Develops listening and speaking skills in Egyptian Arabic. Covers family, school, shopping, and social interaction. Some reading in Arabic.

0101	Dina El-Hefnawy TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2120
FLP1	Inas Hassan TuTh 11:00am - 12:15pm *Restricted to students in SLLC's Arabic Flagship Program.*	Seats (Total: 15) JMZ 0208

ARAB207 **Elementary Egyptian Colloquial Arabic IV**

ARAB207 Elementary Egyptian Colloquial Arabic IV; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB206 or equivalent. Further develops listening and speaking skills in Egyptian Colloquial Arabic, extending range of contexts where it merges with Modern Standard Arabic. Some reading in Arabic.

FLP1	Dina El-Hefnawy	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 1117
	This section is Restricted to students in the Arabic Flagship Program.	

ARAB211 **Elementary Levantine Arabic IV**
Contact department for information to register for this course.

ARAB298A **Pharaohs and Satellites: Contemporary Egyptian Pop Culture**

ARAB298A Pharaohs and Satellites: Contemporary Egyptian Pop Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Click here for more course information.

0101	Valerie Anishchenkova	Seats (Total: 33)
	MW 3:30pm - 4:45pm	JMZ 0125

ARAB304 **Advanced Modern Standard Arabic I**

ARAB304 Advanced Modern Standard Arabic I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB205 or permission of department. Not open to students who have completed ARAB301. Formerly ARAB301. Advanced grammar, reading, writing, speaking in Arabic; study of contemporary Arabic society, politics, and culture.

FLP1	Abdulmonam Alikaj	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 1124
	Restricted to students in SLLC's Arabic Flagship Program.	

ARAB305 **Advanced Modern Standard Arabic II**

ARAB305 Advanced Modern Standard Arabic II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB304 or equivalent. Further advanced grammar, reading, writing, speaking in Arabic; study of current issues within the Arab World.

FLP1	Inas Hassan	Seats (Total: 15)
	Tu 12:30pm - 1:45pm	JMZ 2117
	Th 12:30pm - 1:45pm	JMZ 2125
	This section is Restricted to students in the Arabic Flagship Program.	

ARAB320 **Readings in Modern Arabic**

ARAB320 Readings in Modern Arabic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB304 or equivalent. Contestualized readings in variety of genres; discussion; short writing assignments.

0101	Valerie Anishchenkova	Seats (Total: 15)
	MW 2:00pm - 3:15pm	JMZ 2122

ARAB331 **Listening Strategies in Arabic II**
Contact department for information to register for this course.

ARAB603 **Advanced Arabic into English Translation**
Contact department for information to register for this course.

ARAB610 **Islamic Culture**
Contact department for information to register for this course.

ARAB628 **Special Topics in Arabic Studies**
Contact department for information to register for this course.

ARAB628A **Special Topics in Arabic Studies**
Contact department for information to register for this course.

ARAB789 **Independent Study in Arabic**

ARAB789 *(PermReq)* **Independent Study in Arabic; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH Architecture Fall 2009

ARCH170 **Introduction to the Built Environment**

ARCH170 Introduction to the Built Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction of conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem- solving, and implementation.

0101	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0102	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0103	Ronit Eisenbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 ARC 1105	Discussion
0104	Ronit Eisenbach MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 ARC 1105	Discussion
0105	Ronit Eisenbach MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0106	Ronit Eisenbach MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1105	Discussion
0107	Ronit Eisenbach MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 22) ARC 0204 ARC 1101	Discussion

0108	Ronit Eisenbach MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0109	Ronit Eisenbach MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0110	Ronit Eisenbach MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0111	Ronit Eisenbach MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 20) ARC 0204 ARC 1101	Discussion
0201	Ronit Eisenbach MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1105	Discussion
0202	Ronit Eisenbach MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 ARC 1103	Discussion
0203	Ronit Eisenbach MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 ARC 1105	Discussion
0204	Ronit Eisenbach MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 ARC 1105	Discussion
0205	Ronit Eisenbach MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) ARC 0204 ARC 1103	Discussion
0206	Ronit Eisenbach MW 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 22) ARC 0204 ARC 1101	Discussion

0207	Ronit Eisenbach MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1105	Discussion
0208	Ronit Eisenbach MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0209	Ronit Eisenbach MW 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 22) ARC 0204 ARC 1101	Discussion
0212	Ronit Eisenbach MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 22) ARC 0204 ARC 1101	Discussion

ARCH225 **History of World Architecture I**

ARCH225 History of World Architecture I; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Survey of architectural history from prehistory through the year 1000 CE.

0101	Robert Vann TuTh 9:00am - 10:15am	Seats (Total: 150) ARC 0204	

ARCH227 **History of World Architecture III**

ARCH227 *(PermReq)* **History of World Architecture III; (3 credits)** Grade Method: REG/P-F/AUD.
Sophomore standing. Survey of architectural history from 1800 to present.

0101	Isabelle Gournay TuTh 12:30pm - 1:45pm	Seats (Total: 120) ARC 0204	

ARCH242 **Basic Architectural Drawing**

ARCH242 *(PermReq)* **Basic Architectural Drawing; (3 credits)** Grade Method: REG.

Prerequisite: ARCH170 or permission of department. Freshman standing. The study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in the conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) primarily through freehand drawing.

0101	Lester Escobal F 8:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 13) ARC 0204 Location: TBA	Lab
0102	Lester Escobal F 8:00am - 9:50am F 12:00pm - 1:50pm	Seats (Total: 13) ARC 0204 Location: TBA	Lab
0103	Lester Escobal F 8:00am - 9:50am M 9:00am - 10:50am	Seats (Total: 13) ARC 0204 Location: TBA	Lab
0104	Lester Escobal F 8:00am - 9:50am M 11:00am - 12:50pm	Seats (Total: 13) ARC 0204 Location: TBA	Lab
0105	Lester Escobal F 8:00am - 9:50am M 6:00pm - 7:50pm	Seats (Total: 13) ARC 0204 Location: TBA	Lab

ARCH386 **Experiential Learning**

ARCH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Prerequisite: Learning Proposal approved by faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

ARCH400 **Architecture Studio I**

ARCH400 *(PermReq)* **Architecture Studio I; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH majors only. Introduction to architectural design with particular emphasis on conventions and principles of architecture, visual and verbal communication skills, formal analysis, design process, spatial composition, architectural promenade, basic program distribution, and elementary constructional and environmental responses. Offered fall only.

0102	Brian Kelly MWF 2:00pm - 6:00pm	Seats (Total: 54) Location: TBA

ARCH402 **Architecture Studio III**

ARCH402 *(PermReq)* **Architecture Studio III; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH401 with a grade of C or better. For ARCH majors only. Architectural design studio with emphasis on building and facade typologies, the development of architectural promenade and sequence, public and/or civic infill buildings dependent upon the architectural promenade, and urban housing types of varying densities. The architect's obligations to urban context are explored in many dimensions including historical, typological, and physical. Offered fall only.

0101	Steven Hurtt MWF 2:00pm - 6:00pm *Recommended for 3 1/2 year graduate students only.*	Seats (Total: 12) Location: TBA
0102	Michael Ambrose MWF 2:00pm - 6:00pm	Seats (Total: 54) Location: TBA

ARCH404 **Graduate Architecture Design Studio I**

ARCH404 Graduate Architecture Design Studio I; (6 credits) Grade Method: REG/AUD.
Restricted to Master of Architecture majors only. Recommended: For 3 1/2 year graduate students only. Introduction to architectural design with particular emphasis on conventions and principles of architecture , visual and verbal communication skills, formal analysi, design process, spatial composition, architectural promenade, basic program distribution, and elementary constructional and environmental responses. Offered fall only.

0101	Carl Lostritto, Ronit Eisenbach MWF 2:00pm - 6:00pm	Seats (Total: 12) Location: TBA
0102	Ronit Eisenbach, Carl Lostritto MWF 2:00pm - 6:00pm	Seats (Total: 12) Location: TBA

ARCH410 **Architecture Technology I**

ARCH410 *(PermReq)* **Architecture Technology I; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH140 or MATH220; PHYS121 and (one of the following:BSCI205, GEOG140, GEOL120, GEOL123/AOSC123/METO123/GEOG123). Corequisite: ARCH400. For ARCH majors only. First course in a four course sequence which develops the knowledge and skills of architectural technology. Addresses climate, human responses to climate, available materials, topography and impact on culture. Principles of assembly, basic structural principles and philosophies of construction. Offered fall only.

0101	Carl Bovill TuTh 2:00pm - 3:50pm	Seats (Total: 80) ARC 0204

ARCH412 **Architecture Technology III**

ARCH412 *(PermReq)* **Architecture Technology III; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH411 with a grade of C or better. Corequisite: ARCH402. For ARCH majors only. Third course in a four course sequence. Design of steel, timber, and reinforced concrete elements and subsystems; analysis of architectural building systems. Introduction to design for both natural and man-made hazards. Offered fall only.

0101	Michael Binder TuTh 10:30am - 12:20pm	Seats (Total: 68) ARC 0204

ARCH419 **Independent Studies in Architectural Technology**

ARCH419 *(PermReq)* **Independent Studies in Architectural Technology; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH422 **History of Greek Architecture**

ARCH422 History of Greek Architecture; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARCH221 or permission of department.* Survey of Greek architecture from 750-100 B.C.

0101	Robert Vann Tu 7:00pm - 9:45pm	Seats (Total: 30) TWS 0201

ARCH426 **Fundamentals of Architecture**

ARCH426 *(PermReq)* **Fundamentals of Architecture; (3 credits)** Grade Method: REG/AUD.
Prerequisite: admission to 3 1/2 year M. ARCH program. For ARCH majors only. Thematic introduction of a variety of skills, issues, and ways of thinking that bear directly on the design and understanding of the built world. Offered fall only.

0101	Isabelle Gournay Tu 4:00pm - 5:15pm Th 4:00pm - 5:15pm	Seats (Total: 15) ARC 1121 ARC 1123

ARCH429 **Independent Studies in Architectural History**

ARCH429 *(PermReq)* **Independent Studies in Architectural History; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH443 **Visual Communication For Architects**

ARCH443 Visual Communication For Architects; (3 credits) Grade Method: REG. *Prerequisite: Admission to the 3 1/2 year M. ARCH program. Corequisite: ARCH400. For ARCH majors only.* Investigation of the relationship between drawing from life and architectural drawing, the conventions of architectural drawing and the role of architectural drawing as a means to develop, communicate, and generate architectural ideas.

0101	Caterina Frisone	Seats (Total: 20)	
	MF 10:00am - 12:50pm	ARC 1101	

ARCH449 **Independent Studies in Visual Studies for Architects**

ARCH449 *(PermReq)* **Independent Studies in Visual Studies for Architects; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only.

Contact department for information to register for this course.

ARCH459 **Independent Studies in Urban Planning**

ARCH459 *(PermReq)* **Independent Studies in Urban Planning; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH470 **Computer Applications in Architecture**

ARCH470 *(PermReq)* **Computer Applications in Architecture; (3 credits)** Grade Method: REG.
Prerequisite: ARCH400 or permission of department. For ARCH majors only.
Introduction to computer utilization, with emphasis on architectural applications. ARCH majors only.

0101	Carl Lostritto	Seats (Total: 18)	
	Tu 7:00pm - 8:50pm	ARC 1127	
	Th 7:00pm - 8:50pm	ARC 1127	Lab

ARCH478J **Selected Topics in Architecture; University Campus: Past, Present, and Future**

ARCH478J Selected Topics in Architecture: University Campus: Past, Present, and Future; (3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Hurtt	Seats (Total: 10)
	Th 7:00pm - 10:00pm	ASY 3221

ARCH479 **Independent Studies in Architecture**

ARCH479 *(PermReq)* **Independent Studies in Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH489 **Independent Studies in Architectural Preservation**

ARCH489 *(PermReq)* **Independent Studies in Architectural Preservation; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH600 **Comprehensive Design Studio V**

ARCH600 *(PermReq)* **Comprehensive Design Studio V; (6 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 403 or equivalent. Corequisite: ARCH611. For ARCH majors only. Comprehensive building and site design. Course content bridges the gap between design and technology, between practice and education, in a studio setting. Explorations include the integration of conceptual and technical aspects of architectural form and assembly, highlighting the ways in which multiple layers of a building design are developed, coordinated and resolved.

0101	Peter Noonan	Seats (Total: 34)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH611 **Advanced Architecture Technology Seminar**

ARCH611 *(PermReq)* **Advanced Architecture Technology Seminar; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 413. Corequisite: ARCH 600. For ARCH majors only. Technology in design of buildings. Application of technological issues in building design; integration of technology in architecture; technology as a form determinant in architecture; other conceptual and philosophical issues related to the application of technology in the design, construction, and use of buildings. Offered fall only.

0101	Carl Bovill	Seats (Total: 15)
	TuTh 4:30pm - 6:30pm	ARC 1105

0102	Carl Bovill TuTh 4:30pm - 6:30pm	Seats (Total: 15) ARC 1103

ARCH628F **Selected Topics in Architectural History; French Medieval Architecture**

ARCH628F Selected Topics in Architectural History: French Medieval Architecture; (3 credits) Grade Method: REG/AUD.

0101	Richard Etlin TuTh 9:00am - 10:15am	Seats (Total: 12) ARC 1127

ARCH629 **Independent Studies in Architectural History**

ARCH629 Independent Studies in Architectural History; (3 credits) Grade Method: REG/AUD.

0801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

ARCH654 **Urban Development and Design Theory**

ARCH654 Urban Development and Design Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH401 or permission of department. Advanced investigation into the history, and practice of urban design, planning, and development.

0101	Karl Du Puy M 10:00am - 12:00pm W 10:00am - 12:00pm	Seats (Total: 42) ARC 1105 ARC 1105

ARCH673 **Building Culture**

ARCH673 Building Culture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 402 or permission of department. Senior standing. For ARCH majors only. Comprehension of major themes in the development of architectural building techniques and culture value systems in architecture are developed through lecture, discussion and analysis of seminal readings and buildings.

0101	Amy Gardner	Seats (Total: 12)	
	Tu 7:00pm - 9:40pm	ARC 1125	

ARCH674 **Seminar in Regionalism**

ARCH674 *(PermReq)* **Seminar in Regionalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH600 or permission of department. Regional characterisitics of culture, climate, and landscape as determinants world architecture.

0101	William Bechhoefer	Seats (Total: 9)	
	M 11:00am - 11:50am	ARC 1121	
	W 10:00am - 11:50am	ARC 1121	Discussion

ARCH678 **Selected Topics in Architecture**

ARCH678 *(PermReq)* **Selected Topics in Architecture; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
ARCH majors only.

Contact department for information to register for this course.

ARCH678E **Selected Topics in Architecture; History of Structure**

ARCH678E *(PermReq)* **Selected Topics in Architecture: History of Structure; (3 credits)** Grade Method: REG/AUD.

0101	Richard Etlin	Seats (Total: 15)	
	TuTh 12:30pm - 1:45pm	ARC 1127	

ARCH678J **Selected Topics in Architecture; University Campus: Past, Present, and Future**

ARCH678J Selected Topics in Architecture: University Campus: Past, Present, and Future; (3 credits) Grade Method: REG/AUD.

0101	Steven Hurtt	Seats (Total: 10)	
	Th 7:00pm - 10:00pm	ASY 3221	

ARCH679 **Independent Studies in Architecture**

ARCH679 *(PermReq)* **Independent Studies in Architecture; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
For ARCH majors only.

Contact department for information to register for this course.

ARCH700 **Advanced Urban Design Studio VII**

ARCH700 *(PermReq)* **Advanced Urban Design Studio VII; (6 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 600 or permission of department. Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit-Oriented Development, density, sustainable development building typology, and street design.

0101	Matthew Bell	Seats (Total: 12)	
	TuTh 2:00pm - 6:00pm	ARC 1127	
	TuTh 2:00pm - 7:00pm	ARC 0102	Lab

ARCH770 **Professional Practice**

ARCH770 *(PermReq)* **Professional Practice; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 601 or permission of department. For ARCH majors only. Project management, organizational, legal, economic and ethical aspects of architecture.

0101	Andrew Pressman	Seats (Total: 30)
	F 11:00am - 1:50pm	ARC 1103

ARCH797 **Thesis Proseminar**

ARCH797 Thesis Proseminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 601. Directed research and preparation of thesis program.

0101	Brian Kelly	Seats (Total: 10)
	Tu 12:30pm - 2:00pm	ARC 1121

ARCH798 **Thesis in Architecture**

ARCH798 *(PermReq)* **Thesis in Architecture; (3 credits)** Grade Method: REG.

0101	Brooke Wortham-Galvin MWF 2:00pm - 6:00pm	Seats (Total: 7) Location: TBA	

ARCH799 **Master's Thesis Research**

ARCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. ARCH majors only.

Contact department for information to register for this course.

AREC Agricultural and Resource Economics Fall 2009

AREC240 **Introduction to Economics and the Environment**

AREC240 Introduction to Economics and the Environment; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. Costs and social impacts of pollution and human crowding in the modern environment. The economic, legal and institutional causes of these problems. Public policy approaches to solutions and the costs and benefits of alternative solutions.

0101	Kenneth McConnell TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 34) ARM 0110 SYM 0215	 Discussion
0102	Kenneth McConnell TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 28) ARM 0110 SYM 0209	 Discussion

AREC306 **Farm Management**

AREC306 Farm Management; (3 credits) Grade Method: REG/P-F/AUD. The organization and operation of the farm business to obtain an income consistent with family resources and objectives. Principles of production economics and other related fields as applied to the individual farm business.

0101	Dale Johnson M 3:00pm - 5:45pm	Seats (Total: 70) SYM 0200	

AREC365 **World Hunger, Population, and Food Supplies**

AREC365 World Hunger, Population, and Food Supplies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

0101	Kenneth Leonard	Seats (Total: 280)
	MWF 12:00pm - 12:50pm	TYD 0130

AREC386 **Experiential Learning**

AREC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

AREC399 **Special Problems**

AREC399 Special Problems; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC433 **Food and Agricultural Policy**

AREC433 Food and Agricultural Policy; (3 credits) Grade Method: REG/P-F/AUD. *Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Polcy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.* Economic and political context of governmental involvement in the farm and food sector. Historical programs and current policy issues. Analysis of economic effects of agricultural programs, their benefits and costs, and comparison of policy alternatives. Analyzes the interrelationship among international development, agricultural trade and general economic and domestic agricultural policies.

0101	Howard Leathers	Seats (Total: 60)
	MWF 10:00am - 10:50am	SYM 0200

AREC453 **Natural Resources and Public Policy**

AREC453 Natural Resources and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.

Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent. Rational use and reuse of natural resources. Theory, methodology, and policies concerned with the allocation of natural resources among alternative uses. Optimum state of conservation, market failure, safe minimum standard, and cost-benefit analysis.

0101	Erik Lichtenberg	Seats (Total: 70)
	TuTh 9:30am - 10:45am	MCB 1207

AREC455 **Economics of Land Use**

AREC455 Economics of Land Use; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricutural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.
Fundamentals of location theory. Microeconomics of land use decisions, including determination of rent and hedonic pricing models. Impacts of government decisions on land use, including regulation (e.g., zoning), incentives (transferable development rights), provision of public services, and infrastructure investments. Impacts of land use on environmental quality, including issues relating to sprawl, agricultural land preservation, and other topics of special interest.

0101	Loretta Lynch	Seats (Total: 90)
	MW 11:00am - 12:15pm	SYM 0200

AREC489F **Special Topics in Agricultural and Resources Economics; Applied Production Economics**

AREC489F Special Topics in Agricultural and Resources Economics: Applied Production Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140, STAT100 and ECON306.

0101	Charles Towe	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SYM 0215

AREC620 **Optimization in Agricultural and Resource Economics**

AREC620 Optimization in Agricultural and Resource Economics; (3 credits)
Grade Method: REG/AUD.
Three hours of lecture and one and one-half hours of discussion per week. Prerequisite: differential calculus and one course in matrix or linear algebra.
Mathematical theory of optimization as it is used in agricultural and resource economics. Topics include necessary and sufficient conditions for nonlinear programming and related Kuhn-Tucker and saddle point theory, convexity and concavity, existence and uniqueness, duality and the envelope theorem, the discrete maximum principle, and control theory and dynamic optimization.

0101	Lars Olson	Seats (Total: 25)	
	Th 5:45pm - 8:15pm W 3:30pm - 5:00pm	SYM 0209 HBK 1108	Discussion

AREC623 **Applied Econometrics I**

AREC623 Applied Econometrics I; (4 credits) Grade Method: REG/AUD. *Three hours of lecture and one and one-half hours of discussion per week.* Fundamentals of mathematical statistics for applications in econometrics. Development of the standard linear model and computer applications in applied econometric problems.

0101	Richard Just, Anna Alberini	Seats (Total: 27)	
	MW 10:00am - 12:30pm F 10:00am - 12:00pm	SYM 0215 SYM 3121	Discussion

AREC625 **Economic Welfare Analysis**

AREC625 Economic Welfare Analysis; (3 credits) Grade Method: REG/AUD. *Also offered as AREC 825. Credit will be granted for only one of the following: AREC 625 or AREC 825.* The measurement of economic well-being for producers, consumers, and resource owners. Topics include competitive equilibrium, Pareto optimality, market failure, public goods and nonmarket welfare measurement, multimarket considerations, existing distortions, and second best. Applications in economic welfare analysis of agricultural and resource policies are discussed. Also offered as AREC825.

0101	Charles Towe	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm	SYM 0209	

AREC699 **Special Problems in Agricultural and Resource Economics**

AREC699 *(PermReq)* **Special Problems in Agricultural and Resource Economics; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC785 **Advanced Economics of Natural Resources**

AREC785 Advanced Economics of Natural Resources; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 603 and AREC 623 or permission of department. Also offered as ECON 785. Credit will be granted for only one of the following: AREC 785 or ECON 785. The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation.

0101	Erik Lichtenberg	Seats (Total: 28)
	MW 12:30pm - 1:45pm	SYM 0209

AREC799 **Master's Thesis Research**

AREC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC825 **Advanced Economic Welfare Analysis**

AREC825 Advanced Economic Welfare Analysis; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 625. Credit will be granted for only one of the following: AREC 625 or AREC 825. Theory of economic welfare measurement, problems of path dependence in evaluating multiple price changes, welfare measurement under risk, general equilibrium welfare measurement with multiple distortions, and applications in evaluation of agricultural and resource policies. Also offered as AREC625.

0101	Charles Towe	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	SYM 0209

AREC846 **Development Microeconomics**

AREC846 Development Microeconomics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON603; and AREC623/AREC624; or equivalent. Formerly AREC869E. Development economics with focus on issues applicable to rural development and agriculture in developing countries. Focuses on both theory and empirical application of theory.

0101	Kenneth Leonard	Seats (Total: 25)
	MW 9:00am - 10:15am	SYM 0209

AREC869J **Advanced Topics in Agricultural Economics; Introduction to Prospectus Writing I**

AREC869J Advanced Topics in Agricultural Economics: Introduction to Prospectus Writing I; (1 credit) Grade Method: REG/AUD.

0101	Richard Just	Seats (Total: 15)
	M 2:00pm - 3:15pm	SYM 2200B

AREC869P **Advanced Topics in Agricultural Economics; Prospectus Development**

AREC869P *(PermReq)* **Advanced Topics in Agricultural Economics: Prospectus Development; (3 credits)** Grade Method: REG/AUD.

0101	Kenneth McConnell	Seats (Total: 15)
	Contact instructor or department for details.	

AREC898 **Pre-Candidacy Research**

AREC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC899 **Doctoral Dissertation Research**

AREC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARHU Arts and Humanities Fall 2009

ARHU105 **Honors Humanities First Semester Colloquium**

ARHU105 Honors Humanities First Semester Colloquium; (2 credits) Grade Method: REG.
Restricted to Honors Humanities entering freshmen only. Reading and discussion of the personal and social value of higher education with special attention to Arts and Humanities

0101	Peter Mallios Tu 4:00pm - 5:40pm	Seats (Total: 22) ASY 3215
0102	Peter Mallios W 4:00pm - 5:40pm	Seats (Total: 22) TWS 0205
0103	Peter Mallios M 4:00pm - 5:40pm	Seats (Total: 22) TWS 0214

ARHU205 **Second Year Seminar in Honors Humanities**

ARHU205 Second Year Seminar in Honors Humanities; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: Admission to Honors Humanities Program. Recommended: ARHU105 and ARHU106. Sophomore standing. Credit will be granted for only one of the following: ARHU218A or ARHU205. Formerly ARHU218A. Seminar on basic issues and methodologies in the humanities and arts.

0101	Patrick Grzanka TuTh 4:00pm - 5:15pm	Seats (Total: 25) SQH 1121
0201	Patrick Grzanka TuTh 5:30pm - 6:45pm	Seats (Total: 25) SQH 1101

ARHU286 **Experiential Learning**

ARHU286 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of the College of Arts and Humanities. Restricted to students that have earned 12 credits at UM; 2.5 GPA. On-campus internships cannot be taken for credit through ARHU 286 ("on-campus" includes both the University of Maryland and other college campuses). For ARHU majors only. Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities.

0101	Paula Nadler Contact instructor or department for details.	Seats (Total: 10)

ARHU299T **Studies in Humanities Technology; Tech Apprentice Program**

ARHU299T *(PermReq)* **Studies in Humanities Technology: Tech Apprentice Program; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to ARHU students. Prerequisite: permission of department. Click here for more course information.

0201	Deborah Mateik F 10:00am - 12:30pm	Seats (Total: 8) CSS 1410

ARHU318 **Writers' House Colloquium: Creative Writing Across Languages and Cultures**

ARHU318 *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures; (1 credit)** Grade Method: REG.
For Writers' House students only. For further details please contact Johnna Schmidt at jmschmid@umd.edu

0101	Johnna Schmidt W 4:00pm - 5:30pm	Seats (Total: 20) DOR 0128
0201	Zein El-Amine W 7:00pm - 8:30pm	Seats (Total: 20) DOR 0121

ARHU319 **Writers' House Second Year Colloquium: Form and Theory of Creative Writing**

ARHU319 *(PermReq)* **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; (3 credits)** Grade Method: REG.
For Writers' House students only. For further details please contact Johnna Schmidt jmschmid@umd.edu.

0101	Vivianne Salgado M 5:30pm - 8:00pm Contact instructor or department for details.	Seats (Total: 20) DOR 0113
0201	Gerald Maa M 5:00pm - 7:30pm Contact instructor or department for details.	Seats (Total: 20) DOR 0128

ARHU328 **Internship in Honors Humanities**

ARHU328 Internship in Honors Humanities; (1-3 credits) Grade Method: REG.
For Honors Humanities Students only.

0101	Patrick Grzanka	Seats (Total: 5)
	Contact instructor or department for details.	

ARHU329 **Undergraduate Teaching Assistantship in Honors Humanities**

ARHU329 Undergraduate Teaching Assistantship in Honors Humanities; (1-3 credits) Grade Method: REG.
For Honors Humanities students only.

0101	Patrick Grzanka	Seats (Total: 3)
	Contact instructor or department for details.	

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

ARHU338 *(PermReq)* **Undergraduate Teaching Assistantship in the Writers' House; (3 credits)** Grade Method: REG.

0101	Johnna Schmidt	Seats (Total: 10)
	Contact instructor or department for details.	

ARHU386 **Experiential Learning**

ARHU386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Prerequisite: permission of the college. Junior standing.

0101	Paula Nadler	Seats (Total: 10)
	Contact instructor or department for details.	

ARHU468A **Peer Mentoring Program; Arts and Humanities' Ambassador Program**

ARHU468A *(PermReq)* **Peer Mentoring Program: Arts and Humanities' Ambassador Program; (1 credit)** Grade Method: REG.
Restricted to current ARHU students who will serve as ambassadors for the College of Arts and Humanities.

0101	Megan Cleaver M 3:00pm - 5:00pm	Seats (Total: 20) KEY 0121	

ARHU486 **Internship Practicum in Arts and Humanities**

ARHU486 *(PermReq)* **Internship Practicum in Arts and Humanities; (3-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: 60 or more credits completed (12 credit at U of MD), 2.5 GPA, ARHU major, have completed previous internship at U of MD; and permission of department.

0101	Paula Nadler Contact instructor or department for details.	Seats (Total: 20)	

ARMY Army Fall 2009

ARMY101 **Basic Military Science I**

ARMY101 Basic Military Science I; (1 credit) Grade Method: REG.
An exploration of leadership application through classroom instruction, leadership training and mentorship, adventure exercises and camaraderie. Hands on experience in managerial operations and military techniques. Applied military customs and techniques through physical and mental training.

0101	Ranelle Manaois W 1:00pm - 1:50pm Th 4:00pm - 6:00pm	Seats (Total: 30) COL 0113 Location: TBA	 Lab
0102	Ranelle Manaois W 9:00am - 9:50am Th 4:00pm - 6:00pm	Seats (Total: 20) COL 0113 Location: TBA	 Lab

ARMY103 **Basic Army Physical Fitness**

ARMY103 Basic Army Physical Fitness; (2 credits) Grade Method: REG/P-F/AUD.
Recommended: ARMY101. This course allows beginners to learn the basic Army Physical Fitness program. Through a series of rigorous progressive workouts, the student advances from novice status to meet the requirements of the Army Physical Fitness Test. Course content also introduces students to Army managerial skills and basic military tactics and techniques.

0101	Ranelle Manaois MWTh 6:30am - 7:30am	Seats (Total: 50) Location: TBA	

ARMY201 **Army Leadership Development**

ARMY201 Army Leadership Development; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. This course is an intensive examination of the Army Leadership Model in practice. The model is compared to leadership styles and techniques from government and industry and the comparative effectiveness of each. Students form their own personal leadership styles.

0101	Liam Kingdon W 2:00pm - 3:50pm Th 4:00pm - 6:00pm MWTh 6:30am - 7:30am	Seats (Total: 30) COL 0113 Location: TBA Location: TBA	 Lab Lab
0102	Liam Kingdon Th 2:00pm - 3:50pm Th 4:00pm - 6:00pm MWTh 6:30am - 7:30am	Seats (Total: 20) COL 0113 Location: TBA Location: TBA	 Lab Lab

ARMY202 **Military Leadership in Practice**

ARMY202 Military Leadership in Practice; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: ARMY201. Sophomore standing. This course uses the case study method to examine the Army Leadership Model as applied to assigned missions in U.S. history. Students learn to evaluate and assimilate effective leadership methods and techniques. Includes a laboratory period in which case studies are worked out and presented by individuals and groups.

0101	Liam Kingdon Contact instructor or department for details.	Seats (Total: 10)

ARMY301 **Advanced Military Leadership I**

ARMY301 Advanced Military Leadership I; (3 credits) Grade Method: REG. *Prerequisite: Permission of Army ROTC. Junior standing.* Reinforces understanding and application of Army leadership strategies, critical decision making methodologies, physical and mental fitness excellence. Includes a laboratory period in applied leadership, common military tasks and physical fitness.

0101	Terrence McCall	Seats (Total: 35)	
	Tu 3:30pm - 6:15pm	COL 0113	
	Th 4:00pm - 6:00pm	Location: TBA	Lab
	MWTh 6:30am - 7:30am	Location: TBA	Lab

ARMY401 **Advanced Military Leadership III**

ARMY401 Advanced Military Leadership III; (3 credits) Grade Method: REG. *Prerequisite: Permission of Army ROTC. Senior standing.* Introduces contracted students to the study of Army structure, practices and processes exercised by Army Commanders and Staff in completing personnel, logistics, training and combat operations. Includes a laboratory in applied leadership skills and two field exercises.

0101	Ranelle Manaois	Seats (Total: 25)	
	Tu 3:30pm - 6:15pm	COL 0101	
	Th 4:00pm - 6:00pm	Location: TBA	Lab
	MWTh 6:30am - 7:30am	Location: TBA	Lab
0102	Ranelle Manaois	Seats (Total: 10)	
	Contact instructor or department for details.	Location: TBA	Lab
	Th 4:00pm - 6:00pm	Location: TBA	Lab
	MWTh 6:30am - 7:30am		

ARSC Air Science Fall 2009

ARSC059 **Air Force Officer Lab**

ARSC059 Air Force Officer Lab; (1 credit) Grade Method: S-F.

0101	Dan Shaltanis	Seats (Total: 100)	
	Th 7:00am - 8:50am	COL 3109	Lab
0102	Dan Shaltanis	Seats (Total: 20)	
	Th 6:00am - 7:50am	Location: TBA	Lab

ARSC100 **The USAF Today I**

ARSC100 The USAF Today I; (1 credit) Grade Method: REG.
Open to all university students. AFROTC cadets must also register for ARSC059.
Freshmen course for AFROTC cadets. Study of topics relating to the Air Force and defense. Focuses on organizational structure and missions of the Air Force; officership; and an introduction to both written and oral communication skills. An elective but required for freshmen desiring the four-year AFROTC program.

0101	Jennifer Titkemeier Tu 10:00am - 10:50am	Seats (Total: 40) COL 2126
0102	Jennifer Titkemeier Th 10:00am - 10:50am	Seats (Total: 60) COL 3109
0103	Jennifer Titkemeier Th 1:00pm - 1:50pm	Seats (Total: 40) COL 2126

ARSC200 **The Development of Air Power I**

ARSC200 The Development of Air Power I; (1 credit) Grade Method: REG/P-F/AUD.
Open to all university students. AFROTC cadets must also register for ARSC059.
Sophomore course for AFROTC cadets. Study of factors contributing to the development of air power from its earliest beginnings through two world wars; the evolution of air power concepts and doctrine; introductory leadership; and assessment of communicative skills. An elective, but required for sophomores in the four-year AFROTC program. Military cadets must also enroll in ARSC 159.

0101	Dan Shaltanis Th 11:00am - 11:50am	Seats (Total: 60) COL 3109
0102	Dan Shaltanis Th 12:00pm - 12:50pm	Seats (Total: 40) COL 3109
0103	Dan Shaltanis Tu 9:00am - 9:50am	Seats (Total: 40) COL 2126

ARSC210 **Field Training**

ARSC210 *(PermReq)* **Field Training; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: AFROTC cadets with permission of department. Sophomore standing. Designed to train Air Force officer candidates in the skills of leadership, teamwork, officership, and the profession of arms. Successful completion is mandatory for all candidates in order to complete the AFROTC program and attain an Air Force commission.

0101	Dan Shaltanis	Seats (Total: 35)
	Contact instructor or department for details.	

ARSC300 **Management and Leadership I**

ARSC300 *(PermReq)* **Management and Leadership I; (3 credits)** Grade Method: REG.
Corequisite: ARSC059 or permission of department. Junior standing. Credit will be granted for only one of the following: ARSC300 or ARSC310. Formerly ARSC310. The study of leadership and management fundamentals, professional knowledge, Air Force doctrine, and written and oral communication skills. Case studies are used to examine leadership and management situations.

0101	Egan Hadsell	Seats (Total: 40)
	Th 10:00am - 1:00pm	COL 3112
0201	Egan Hadsell	Seats (Total: 40)
	TuTh 2:00pm - 3:30pm	COL 3109

ARSC400 **National Security Forces in Contemporary American Society I**

ARSC400 *(PermReq)* **National Security Forces in Contemporary American Society I; (3 credits)** Grade Method: REG.
Prerequisite: ARSC300 or ARSC301; or permission of department. Corequisite: ARSC059 or permission of department. Senior standing. Credit will be granted for only one of the following: ARSC320 or ARSC400. Formerly ARSC320. Study of American national security policy and processes to include information and implementation, impact of major national and international actors, and development of major policy issues.

0101	Thomas Sadiq	Seats (Total: 40)
	TuTh 2:00pm - 3:30pm	COL 2126

0102	Thomas Sadiq TuTh 2:00pm - 3:30pm	Seats (Total: 40) COL 2126	
0201	Thomas Sadiq Th 10:00am - 1:00pm	Seats (Total: 40) COL 2126	

ARTH Art History & Archaeology Fall 2009

ARTH200 **Art of the Western World to 1300**

ARTH200 Art of the Western World to 1300; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Painting, sculpture, and architecture from prehistoric times to the Renaissance.

0101	Louise Martinez MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	 Discussion
0102	Louise Martinez MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 31) ASY 2203 ASY 3219	 Discussion
0103	Louise Martinez MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 31) ASY 2203 ASY 3219	 Discussion
0104	Louise Martinez MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3219	 Discussion
0105	Louise Martinez MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3219	 Discussion
0106	Louise Martinez MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3219	 Discussion

ARTH201 **Art of the Western World after 1300**

ARTH201 Art of the Western World after 1300; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Painting, sculpture, and architecture from the Renaissance to the present.

0101	Anthony Colantuono TuTh 9:30am - 10:20am M 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0102	Anthony Colantuono TuTh 9:30am - 10:20am M 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0103	Anthony Colantuono TuTh 9:30am - 10:20am W 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0104	Anthony Colantuono TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0105	Anthony Colantuono TuTh 9:30am - 10:20am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0106	Anthony Colantuono TuTh 9:30am - 10:20am W 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
FC01	Jessica Hoffman TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 32) ASY 3211	
FC02	Ann Wagner MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) ASY 3207	

ARTH250 Art and Archaeology of Ancient America

ARTH250 Art and Archaeology of Ancient America; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Art and archaeology of ancient Mesoamerica from 500 B.C. to 1500 A.D.

0101	Juliet Wiersema MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0102	Juliet Wiersema MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0103	Juliet Wiersema MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0104	Juliet Wiersema MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0105	Juliet Wiersema MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0106	Juliet Wiersema MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion

ARTH275 **Art and Archaeology of Africa**

ARTH275 Art and Archaeology of Africa; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Appreciation of the art of African cultures. A survey of African culture through painting, sculpture, and architecture from prehistoric times to the present.

0101	Erin Haney TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion

0102	Erin Haney TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0103	Erin Haney TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0104	Erin Haney TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3219	Discussion
0105	Erin Haney TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3207	Discussion
0106	Erin Haney TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion

ARTH290 **Art of Asia**

ARTH290 Art of Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
South and East Asian art from prehistory through the mid-19th century.

0101	Xiaoqing Zhu MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0102	Xiaoqing Zhu MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion
0103	Xiaoqing Zhu MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0104	Xiaoqing Zhu MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3215	Discussion

0105	Xiaoqing Zhu MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3211	 Discussion
0106	Xiaoqing Zhu MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 ASY 3215	 Discussion

ARTH303 **Roman Art and Archaeology**
Contact department for information to register for this course.

ARTH313 **Early Medieval Art**

ARTH313 Early Medieval Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH410. Painting, sculpture and architecture in Western Europe, ca. 500-1150.

0101	Lauree Sails TuTh 12:30pm - 1:45pm	Seats (Total: 30) ASY 3211

ARTH323 **Fifteenth-Century Italian Renaissance Art**

ARTH323 Fifteenth-Century Italian Renaissance Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH415. Painting, sculpture, architecture, and the decorative arts of the fifteenth century in Italy.

0101	Meredith Gill TuTh 9:30am - 10:45am	Seats (Total: 30) ASY 3211

ARTH330 **Seventeenth-Century European Art**

ARTH330 Seventeenth-Century European Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH430. Painting, sculpture and architecture concentrating on Italy, Spain, France, and England.

0102	Aneta Georgievska-Shine M 6:00pm - 8:30pm	Seats (Total: 30) ASY 3211

ARTH345 **Nineteenth-Century European Art to 1850**

ARTH345 Nineteenth-Century European Art to 1850; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH445. The major trends from Neo-Classicism to Romanticism in painting, sculpture, and architecture in Europe.

0101	June Hargrove	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	ASY 3211

ARTH350 **Twentieth-Century Art to 1945**

ARTH350 Twentieth-Century Art to 1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTH201. Formerly ARTH455. Painting, sculpture, and architecture in Europe and America from the late nineteenth century to the end of World War II.

0101	Steven Mansbach	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ASY 3215

ARTH360 **History of American Art to 1876**

ARTH360 History of American Art to 1876; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH453. Painting, sculpture, architecture, and decorative arts in North America from the colonial period to 1876.

0101	Renee Ater	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ASY 3211

ARTH370 **Latin American Art and Archaeology before 1500**

ARTH370 Latin American Art and Archaeology before 1500; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH470. Pre-Hispanic painting, sculpture, and architecture, with a focus on the major archaeological monuments of Mexico.

0101	Beryl Bland	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ASY 3215

ARTH384 **Art of Japan**

ARTH384 Art of Japan; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Formerly ARTH395. A chronological survey of Japanese painting, sculpture, architecture, and the applied arts.

0101	Yui Suzuki	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ASY 3215

ARTH386 **Experiential Learning**

ARTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

ARTH389F **Special Topics in Art History and Archaeology; Race and Representations: Imaging Blacks and Blackness in Western Art from the Renaissance to the 20th Century**

ARTH389F Special Topics in Art History and Archaeology: Race and Representations: Imaging Blacks and Blackness in Western Art from the Renaissance to the 20th Century; (3 credits) Grade Method: REG/P-F/AUD.

0101	Adrienne Childs	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ASY 3211

ARTH389P **Special Topics in Art History and Archaeology; Documentary Film: Visual Construction of Reality**

ARTH389P Special Topics in Art History and Archaeology: Documentary Film: Visual Construction of Reality; (3 credits) Grade Method: REG/P-F/AUD.

0101	Greg Metcalf	Seats (Total: 25)
	W 3:00pm - 6:30pm	ASY 3211

ARTH488B **Colloquium in Art History; The Visual Culture of War from 1700 to 1945**

ARTH488B Colloquium in Art History: The Visual Culture of War from 1700 to 1945; (3 credits) Grade Method: REG/P-F/AUD.

0101	June Hargrove	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	ASY 3217

ARTH488F **Colloquium in Art History; Contemporary Chinese Film and Visual Culture**

ARTH488F Colloquium in Art History: Contemporary Chinese Film and Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jason Kuo	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	HBK 0302J

ARTH488J **Colloquium in Art History; Buddhist Arts of Japan**

ARTH488J *(PermReq)* **Colloquium in Art History: Buddhist Arts of Japan; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Yui Suzuki	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ASY 3217

ARTH489F **Special Topics in Art History; Modern Chinese Film and Visual Culture**

ARTH489F Special Topics in Art History: Modern Chinese Film and Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jason Kuo	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	HBK 0302H

ARTH489H **Special Topics in Art History; Art in London (Honors)**
Contact department for information to register for this course.

ARTH489L **Special Topics in Art History; Issues in Ancient American Art: Looting, Collecting, Forgery and the Art Market**

ARTH489L Special Topics in Art History: Issues in Ancient American Art: Looting, Collecting, Forgery and the Art Market; (3 credits) Grade Method: REG/P-F/AUD.

0101	Juliet Wiersema M 2:00pm - 4:30pm	Seats (Total: 30) ASY 3211

ARTH489Z **Special Topics in Art History; Art in London**
Contact department for information to register for this course.

ARTH498 **Directed Studies in Art History I**

ARTH498 Directed Studies in Art History I; (2-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

ARTH499 *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH692 **Methods of Art History**

ARTH692 *(PermReq)* **Methods of Art History; (3 credits)** Grade Method: REG/AUD. Methods of research and criticism applied to typical art-historical problems; bibliography and other research tools. For all non-Art History and Archaeology majors, permission of the department is required.

0101	Anthony Colantuono Th 12:00pm - 2:40pm	Seats (Total: 8) ASY 4304

ARTH708 **Seminar in Ancient Art and Archaeology**

ARTH708 *(PermReq)* **Seminar in Ancient Art and Archaeology; (3 credits)** Grade Method: REG/AUD.
For all non-art history and archaeology majors, permission of the instructor is required.

0101	Marjorie Venit W 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH719 **Seminar in Italian Renaissance Art**

ARTH719 Seminar in Italian Renaissance Art; (3 credits) Grade Method: REG/AUD.

0101	Meredith Gill Tu 12:00pm - 2:40pm	Seats (Total: 8) ASY 4304

ARTH739 **Seminar in Seventeenth-Century Northern European Art**

ARTH739 Seminar in Seventeenth-Century Northern European Art; (3 credits) Grade Method: REG/AUD.

0101	Arthur Wheelock M 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH759 **Seminar in Twentieth-Century Art**

ARTH759 Seminar in Twentieth-Century Art; (3 credits) Grade Method: REG/AUD.

0101	Steven Mansbach Th 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH798 **Directed Graduate Studies in Art History**

ARTH798 *(PermReq)* **Directed Graduate Studies in Art History; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

ARTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

ARTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

ARTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT Art Studio Fall 2009

ARTT100 **Two-Dimensional Design Fundamentals**

ARTT100 Two-Dimensional Design Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ARTT100, ARTS100, DESN101, or APDS101. Formerly ARTS100. Principles and elements of two-dimensional design. Introduction to visual communication. Students must pay a $40.00 laboratory studio fee.

0101	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0201	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0301	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0401	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0501	Guita Vafai TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
0601	Guita Vafai TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab

0701	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0801	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0901	Matthew Best MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
1001	Matthew Best MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab

ARTT110 **Elements of Drawing I**

ARTT110 Elements of Drawing I; (3 credits) Grade Method: REG/P-F. *Formerly ARTS110.* Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. Students must pay a $40.00 laboratory studio fee.

0101	Sarah Laing MW 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0201	Sarah Laing MW 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab
0301	David Knobel TuTh 6:00pm - 8:30pm	Seats (Total: 18) ASY 2317	Lab
0401	David Knobel TuTh 6:00pm - 8:30pm	Seats (Total: 18) ASY 2321	Lab
0501	Jeremy Flick TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0701	Katherine Mann MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab

0801	Katherine Mann MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
0901	Timothy Horjus TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
1001	Timothy Horjus TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab

ARTT110S **Elements of Drawing I**

ARTT110S Elements of Drawing I; (3 credits) Grade Method: REG/P-F/AUD. *Formerly ARTS110.* Restricted to College Park Scholars - Arts.

0601	Jeremy Flick TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab

ARTT150 **Introduction to Art Theory**

ARTT150 Introduction to Art Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0101	Richard Klank MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3221	Discussion
0102	Richard Klank MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3221	Discussion
0103	Richard Klank MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) ASY 2309 ARC 1103	Discussion
0201	Rex Weil TuTh 3:30pm - 4:20pm Tu 2:00pm - 2:50pm	Seats (Total: 25) ASY 2309 ASY 3219	Discussion

0202	Rex Weil TuTh 3:30pm - 4:20pm Th 2:30pm - 3:20pm	Seats (Total: 25) ASY 2309 ASY 3219	 Discussion
0203	Rex Weil TuTh 3:30pm - 4:20pm Th 12:30pm - 1:20pm	Seats (Total: 25) ASY 2309 JMZ 0120	 Discussion
FC01	Rex Weil TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) JMZ 0205	
FC02	Leslie Berns MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) JRN 1105	
FC03	Leslie Berns TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) JMZ 0120	

ARTT200 **Three-Dimensional Art Fundamentals**

ARTT200 Three-Dimensional Art Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT100 and ARTT110. Credit will be granted for only one of the following: ARTT200, ARTS200, DESN102, or APDS102. Formerly ARTS200.
Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials. Students must pay a $40.00 laboratory studio fee.

0101	Brent Crothers TuTh 4:00pm - 6:30pm	Seats (Total: 18) ASY 1311	 Lab
0201	Judith Stone TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 1311	 Lab
0301	Steven Jones MW 9:00am - 11:30am	Seats (Total: 18) ASY 1311	 Lab

0401	Judith Stone MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	Lab

ARTT210 **Elements of Drawing II**

ARTT210 Elements of Drawing II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARTT110. Formerly ARTS210.* Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues. Students must pay a $40.00 laboratory studio fee.

0101	Patrice Kehoe TuTh 12:30pm - 3:00pm	Seats (Total: 20) ASY 2315	Lab
0201	Jeffrey Pinder MW 3:00pm - 5:30pm	Seats (Total: 20) ASY 2315	Lab
0301	Juan Rojo Acebes MW 9:00am - 11:30am	Seats (Total: 20) ASY 2315	Lab
0401	Jeremy Flick TuTh 3:00pm - 5:30pm	Seats (Total: 20) ASY 2315	Lab

ARTT320 **Elements of Painting**

ARTT320 Elements of Painting; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS320.* Concepts and fundamental processes of oil and/or acrylic painting. Students must pay a $40.00 laboratory studio fee.

0101	Patrick Craig TuTh 12:30pm - 3:00pm *Emphasizes acrlic paint.*	Seats (Total: 20) ASY 3312	Lab
0201	Richard Klank MW 9:00am - 11:30am	Seats (Total: 13) ASY 3318	Lab
0301	Emily Conover MW 3:00pm - 5:30pm *Emphasizes acrylic paint.*	Seats (Total: 20) ASY 3312	Lab

ARTT320H **Elements of Painting**

ARTT320H *(PermReq)* **Elements of Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS320. Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Patrick Craig	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 3312	Lab
0201	Richard Klank	Seats (Total: 2)	
	MW 9:00am - 11:30am	ASY 3318	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

ARTT330 Elements of Sculpture: Metal Casting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS330. Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 laboratory studio fee.

0101	Steven Jones	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT330H **Elements of Sculpture: Metal Casting**

ARTT330H *(PermReq)* **Elements of Sculpture: Metal Casting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS330. Students must pay a $40.00 laboratory studio fee.

0101	Steven Jones	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT331 **Elements of Sculpture: Steel**

ARTT331 Elements of Sculpture: Steel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing. Students must pay a $40.00 laboratory studio fee.

0101	Jennifer Watson	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

ARTT333 Elements of Sculpture: Wood and Mixed Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Sculptural concepts and fundamental processes using wood and mixed media. Students must pay a $40.00 laboratory studio fee.

0101	Brent Crothers	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1311	Lab

ARTT333H **Elements of Sculpture: Wood and Mixed Media**

ARTT333H *(PermReq)* **Elements of Sculpture: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. This course is restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Brent Crothers	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1311	Lab

ARTT340 **Elements of Printmaking: Intaglio**

ARTT340 Elements of Printmaking: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS340. Concepts and fundamental processes related to etching, aquatint, and drypoint. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343 **Elements of Printmaking: Screen Printing**

ARTT343 Elements of Printmaking: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS343. Concepts and fundamental processes related to silkscreen printing. Students must pay a $40.00 laboratory studio fee.

0101	Justin Strom	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343H **Elements of Printmaking: Screen Printing**

ARTT343H *(PermReq)* **Elements of Printmaking: Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS343. This course is restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT344 **Elements of Printmaking: Lithography**

ARTT344 Elements of Printmaking: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS344. Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT344H **Elements of Printmaking: Lithography**

ARTT344H *(PermReq)* **Elements of Printmaking: Lithography; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS344. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 2)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT350 **Elements of Design**

ARTT350 *(PermReq)* **Elements of Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT200, and ARTT210; and permission of department through portfolio review. Not open to students who have completed ARTT250. Credit will be granted for only one of the following: ARTT350 or ARTT250. Formerly ARTT250. Investigation of basic design principles and methods. Introduction to basic typography, layout, illustration, exhibit design, and product/package design. Students must pay a $40.00 laboratory studio fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 12:30pm - 3:00pm	ASY 2322	Lab

ARTT351 **Elements of Graphic Design and Illustration**

ARTT351 *(PermReq)* **Elements of Graphic Design and Illustration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT250 or ARTT350 or permission of instructor. Credit will be granted for only one of the following: ARTT350 or ARTT250. Instruction to visual communications, logo, multi-page publication, marketing graphics, as well as a variety of media and techniques of editorial illustration. Students must pay a $40.00 laboratory studio fee.

0101	James Thorpe	Seats (Total: 20)	
	TuTh 9:00am - 11:30am	ASY 2314	Lab
	This course is restricted to students who have been admitted by portfolio review to the Design Program at UMCP.		

ARTT352 **Three Dimensional Graphics**

ARTT352 *(PermReq)* **Three Dimensional Graphics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT350 or permission of instructor. Graphic design and color concepts applied to three-dimensional objects and architectural environments. Presentations include scale drawings, scale models, and real size mock-ups. Certain classes will meet in the woodshop ASY 1311. Students must pay a $40.00 laboratory studio fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 9:00am - 11:30am	ASY 2322	Lab
	This course is restricted to students who have been admitted by portfolio review to the Design Program at UMCP.		

ARTT353 **Elements of Photography**

ARTT353 Elements of Photography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept. Students must pay a $40.00 laboratory studio fee.

0101	Sora Devore	Seats (Total: 10)	
	MW 9:00am - 11:30am	MMH 0110	Lab
	MW 9:00am - 11:30am	MMH 0401	Lab

ARTT354 **Elements of Computer Graphics**

ARTT354 Elements of Computer Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Introduction to computer graphics, imaging, illustration and mixed media. Students must pay a $40.00 laboratory studio fee.

0101	Narendra Ratnapala	Seats (Total: 12)	
	MW 10:00am - 12:30pm	CSS 1410	Lab
0201	Narendra Ratnapala	Seats (Total: 12)	
	MW 10:00am - 12:30pm	CSS 1410	Lab

0301	Brandon Morse TuTh 12:30pm - 3:00pm	Seats (Total: 14) ASY 3311	Lab
0401	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 12) CSS 1410	Lab
0501	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 12) CSS 1410	Lab

ARTT386 **Experiential Learning**

ARTT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

ARTT388 **Issues in Teaching Art in Higher Education**

ARTT388 *(PermReq)* **Issues in Teaching Art in Higher Education; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT389 **Department of Art Undergraduate Teaching Assistantship**

ARTT389 *(PermReq)* **Department of Art Undergraduate Teaching Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT399 **Department of Art Research Assistantship**

ARTT399 *(PermReq)* **Department of Art Research Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT418A **Advanced Drawing Studio; Experimental Techniques in Drawing**

ARTT418A Advanced Drawing Studio: Experimental Techniques in Drawing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT 210. Students must pay a $40.00 laboratory studio fee.

0101	Emily Conover MW 12:30pm - 3:00pm	Seats (Total: 20) ASY 2315	 Lab

ARTT418B **Advanced Drawing Studio; A Contemporary Approach**

ARTT418B Advanced Drawing Studio: A Contemporary Approach; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT 210. Students must pay a $40.00 laboratory studio fee.

0101	William Richardson TuTh 9:00am - 11:30am	Seats (Total: 20) ASY 2315	 Lab
0201	Dawn Gavin MW 3:00pm - 5:30pm	Seats (Total: 20) ASY 2317	 Lab
0301	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 20) ASY 2317	 Lab

ARTT418H **Advanced Drawing Studio; Honors Drawing: A Contemporary Approach**

ARTT418H *(PermReq)* **Advanced Drawing Studio: Honors Drawing: A Contemporary Approach; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	William Richardson TuTh 9:00am - 11:30am	Seats (Total: 2) ASY 2315	 Lab
0201	Dawn Gavin MW 3:00pm - 5:30pm	Seats (Total: 2) ASY 2317	 Lab
0301	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 2315	 Lab

ARTT428 **Advanced Painting Studio; Painting**

ARTT428 Advanced Painting Studio: Painting; (3 credits) Grade Method: REG/P-F/AUD.
Students must pay a $40.00 laboratory studio fee.

0101	William Richardson TuTh 12:30pm - 3:00pm *Emphasizes acrylic paint.*	Seats (Total: 20) ASY 3318	Lab
0201	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 20) ASY 3316	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 8) ASY 3322	Lab

ARTT428H **Advanced Painting Studio; Honors Painting**

ARTT428H *(PermReq)* **Advanced Painting Studio: Honors Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	William Richardson TuTh 12:30pm - 3:00pm *Emphasizes acrylic paint.*	Seats (Total: 2) ASY 3318	Lab
0201	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 3316	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 2) ASY 3322	Lab

ARTT438C **Advanced Sculpture Studio; Steel Sculpture**

ARTT438C Advanced Sculpture Studio: Steel Sculpture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT 331 or permission of instructor. Students must pay a $40.00 laboratory studio fee.

0101	Jennifer Watson TuTh 12:30pm - 3:00pm	Seats (Total: 6) ASY 1314	Lab

ARTT438D **Advanced Sculpture Studio; Wood and Mixed Media**

ARTT438D *(PermReq)* **Advanced Sculpture Studio: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Students must pay a $40.00 laboratory studio fee.

0101	Brent Crothers	Seats (Total: 4)	
	TuTh 12:30pm - 3:00pm	ASY 1311	

ARTT438H **Advanced Sculpture Studio; Honors Sculpture**

ARTT438H *(PermReq)* **Advanced Sculpture Studio: Honors Sculpture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	John Ruppert	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1314	
0301	John Ruppert	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1314	

ARTT438I **Advanced Sculpture Studio; Metal Casting**

ARTT438I Advanced Sculpture Studio: Metal Casting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT330 or permission of instructor. Students must pay a $40.00 laboratory studio fee.

0101	Steven Jones	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT448A **Advanced Printmaking Studio; Screen Printing**

ARTT448A Advanced Printmaking Studio: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT343. Students must pay a $40.00 laboratory studio fee.

0101	Justin Strom	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY 1317	Lab

ARTT448B **Advanced Printmaking Studio; Lithography**

ARTT448B Advanced Printmaking Studio: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT344 or permission of instructor. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 6)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT448C **Advanced Printmaking Studio; Advanced Relief and Intaglio**

ARTT448C Advanced Printmaking Studio: Advanced Relief and Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT448H **Advanced Printmaking Studio; Honors Screen Printing**

ARTT448H Advanced Printmaking Studio: Honors Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
This course has a $40.00 laboratory studio fee.

0101	Justin Strom	Seats (Total: 4)	
	TuTh 3:00pm - 5:30pm	ASY 1317	

ARTT449A **Advanced Photography Studio; Black and White Photography and Wet Darkroom Techniques**

ARTT449A Advanced Photography Studio: Black and White Photography and Wet Darkroom Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT353 or permission of instructor. Students must pay a $40.00 laboratory studio fee.

0101	Sora Devore	Seats (Total: 5)	
	MW 9:00am - 11:30am	MMH 0110	Lab

ARTT449B **Advanced Photography Studio; Digital Photography and Inkjet Printmaking Techniques**

ARTT449B Advanced Photography Studio: Digital Photography and Inkjet Printmaking Techniques; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: ARTT353 or permission of instructor. Students must pay a $40.00 laboratory studio fee.

0101	Sora Devore	Seats (Total: 5)	
	MW 12:30pm - 3:00pm	MMH 0401	Lab

ARTT458 **Graphic Design**

ARTT458 Graphic Design; (3 credits) Grade Method: REG. Prerequisite: ARTT350 and ARTT351. Students must pay a $40.00 laboratory studio fee.

0101	Ruth Lozner	Seats (Total: 20)	
	TuTh 2:00pm - 4:30pm	ASY 2322	Lab

ARTT468B **Seminar on the Interrelationship Between Art and Art Theory; Issues in Contemporary Art**

ARTT468B Seminar on the Interrelationship between Art and Art Theory: Issues in Contemporary Art; (3 credits) Grade Method: REG/P-F/AUD.

0101	Richard Klank	Seats (Total: 15)	
	MW 1:00pm - 1:50pm	ASY 2309	
	M 12:00pm - 12:50pm	ASY 3215	Discussion

ARTT480H **Honors Seminar**

ARTT480H *(PermReq)* **Honors Seminar; (3 credits)** Grade Method: REG. *Prerequisites: Acceptance into Department Honors Program, completion of ARTT300 - 400H and 418H electives, and permission of department.* Team-taught seminar focusing on relationship between student's work and the theoretical context of contemporary art.

0101	Dawn Gavin F 10:00am - 1:00pm	Seats (Total: 20) Location: TBA	

ARTT489A **Advanced Special Topics in Art; Perspectives in Art Theory: The Relationship between Discourse and Practice**

ARTT489A Advanced Special Topics in Art: Perspectives in Art Theory: The Relationship between Discourse and Practice; (3 credits) Grade Method: REG/P-F/AUD.

0101	Aneta Georgievska-Shine Tu 4:00pm - 6:30pm	Seats (Total: 15) ASY 3219	

ARTT489F **Advanced Special Topics in Art; Digital Photograhy**

ARTT489F Advanced Special Topics in Art: Digital Photograhy; (3 credits) Grade Method: REG/P-F/AUD.
Students must pay a $40.00 laboratory studio fee.

0101	Sora Devore MW 12:30pm - 3:00pm MW 12:30pm - 3:00pm	Seats (Total: 10) CSS 1410 MMH 0401	 Lab

ARTT489I **Advanced Special Topics in Art; Digital Imaging**

ARTT489I *(PermReq)* **Advanced Special Topics in Art: Digital Imaging; (3 credits)** Grade Method: REG/P-F/AUD.
Students must pay a $40.00 laboratory studio fee.

0101	Brandon Morse TuTh 3:00pm - 5:30pm	Seats (Total: 14) ASY 3311E	 Lab
0201	Narendra Ratnapala MW 12:30pm - 3:00pm	Seats (Total: 14) ASY 3311E	 Lab

ARTT489R **Advanced Special Topics in Art; New Media**
Contact department for information to register for this course.

ARTT498A **Directed Studies in Studio Art**

ARTT498A *(PermReq)* **Directed Studies in Studio Art; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

ARTT498B *(PermReq)* **Directed Studies in Studio Art; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT498H **Directed Studies in Studio Art; Honors Thesis**

ARTT498H *(PermReq)* **Directed Studies in Studio Art: Honors Thesis; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT618 **Drawing; Drawing**

ARTT618 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT628 **Painting; Painting**

ARTT628 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT638 **Sculpture; Sculpture**

ARTT638 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT648 **Printmaking; Printmaking**

ARTT648 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT698A **Directed Graduate Studies in Studio Art**

ARTT698A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

ARTT698B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT699A **Directed Graduate Studies in Studio Art**

ARTT699A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT699B **Directed Graduate Studies in Studio Art**

ARTT699B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT718 **Drawing; Drawing**

ARTT718 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT728 **Painting; Painting**

ARTT728 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT738 **Sculpture; Sculpture**

ARTT738 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT748 **Printmaking; Printmaking**

ARTT748 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT768 **Graduate Colloquium**

ARTT768 *(PermReq)* **Graduate Colloquium; (2 credits)** Grade Method: REG/AUD. Students must pay a $60.00 laboratory studio fee.

0101	Lucille Hogg	Seats (Total: 20)
	W 6:00pm - 9:00pm	ASY 3217

ARTT798A **Directed Graduate Studies in Studio Art**

ARTT798A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT798B **Directed Graduate Studies in Studio Art**

ARTT798B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT799 **Master's Thesis Research**

ARTT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR Astronomy Fall 2009

ASTR100 **Introduction to Astronomy**

ASTR100 Introduction to Astronomy; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit for ASTR100 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. CORE Physical Science Non-Laboratory (PS) Course. CORE Physical Science Laboratory (PL) Course when taken concurrently with ASTR 111. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. An elementary course in descriptive astronomy, especially appropriate for non-science students. Sun, moon, planets, stars and nebulae, galaxies, evolution. Discussion sections do not meet the first week. Attend lecture before coming to discussion section.

0101	Stacy McGaugh TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0102	Stacy McGaugh TuTh 9:30am - 10:45am Th 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0103	Stacy McGaugh TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0104	Stacy McGaugh TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0105	Stacy McGaugh TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0106	Stacy McGaugh TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0107	Stacy McGaugh TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion

0201	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0202	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0203	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0204	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0205	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0206	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 3:00pm - 3:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0207	Melissa Hayes-Gehrke MWF 9:00am - 9:50am Tu 3:30pm - 4:20pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion

ASTR101 **General Astronomy**

ASTR101 General Astronomy; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Credit for ASTR101 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and observing sessions if weather permits. Discussion sections and lab sections do not meet the first week of classes. Attend lecture before coming to discussion or lab sections.

0101	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	Tu 3:30pm - 5:30pm	CSS 1109	Lab
	Tu 1:00pm - 1:50pm	CSS 2400	Discussion
0102	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	W 8:30am - 10:30am	CSS 1109	Lab
	Tu 1:00pm - 1:50pm	CSS 2400	Discussion
0103	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	F 10:00am - 12:00pm	CSS 1109	Lab
	W 9:00am - 9:50am	CSS 2400	Discussion
0104	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	F 1:00pm - 3:00pm	CSS 1109	Lab
	W 9:00am - 9:50am	CSS 2400	Discussion
0105	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	W 11:00am - 1:00pm	CSS 1109	Lab
	W 10:00am - 10:50am	CSS 2400	Discussion
0106	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	Th 3:30pm - 5:30pm	CSS 1109	Lab
	W 10:00am - 10:50am	CSS 2400	Discussion
0107	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	W 1:00pm - 3:00pm	CSS 1109	Lab
	W 11:00am - 11:50am	CSS 2400	Discussion
0108	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	Th 8:30am - 10:30am	CSS 1109	Lab
	W 11:00am - 11:50am	CSS 2400	Discussion

0109	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	W 6:00pm - 8:00pm	CSS 1109	Lab
	W 12:00pm - 12:50pm	CSS 2400	Discussion
0110	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	Th 6:00pm - 8:00pm	CSS 1109	Lab
	W 12:00pm - 12:50pm	CSS 2400	Discussion

ASTR120 **Introductory Astrophysics - Solar System**

ASTR120 Introductory Astrophysics - Solar System; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.
Pre- or corequisite: MATH115. Not open to students who have completed ASTR100 or ASTR101. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. For students majoring in astronomy or with a strong interest in science. Topics include development of astronomy, planetary orbits, electromagnetic radiation, telescopes as well as constituents and origin of the solar system (planets, satellites, comets, asteroids, meteoroids, etc.).

0101	Christopher Reynolds	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	CSS 2428	
	F 1:00pm - 1:50pm	CSS 2428	Discussion

ASTR220 **Collisions in Space**

ASTR220 Collisions in Space; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Not open to astronomy majors. Appropriate for non-science majors. Application of scientific method to the study of collisions in space. Impact cratering on planets and satellites. Possible implications for the Earth. Interactions between stars and galaxies. Possible effects due to supermassive black holes. Events like the 1994 comet crash on Jupiter and data from the Hubble Space Telescope will be highlighted.

0101	Melissa Hayes-Gehrke	Seats (Total: 50)	
	TuTh 2:00pm - 3:15pm	CSS 2400	

ASTR288 **Special Projects in Astronomy**

ASTR288 *(PermReq)* **Special Projects in Astronomy; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
A faculty sponsor must be found by the students wishing to enroll in this course.

Contact department for information to register for this course.

ASTR288C **Special Projects in Astronomy; Astronomy Research Techniques**

ASTR288C *(PermReq)* **Special Projects in Astronomy: Astronomy Research Techniques; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Stephen Holland	Seats (Total: 10)
	M 3:30pm - 5:15pm	CSS 1109

ASTR300 **Stars and Stellar Systems**

ASTR300 Stars and Stellar Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department.* Designed primarily for non-science majors. Study of stars-types, properties, evolution, and distribution in space; supernovae, pulsars, and black holes. Designed primarily for non-physical science majors. Junior standing.

0101	James Harrington	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSS 2428

ASTR310 **Observational Astronomy**

ASTR310 Observational Astronomy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR121; PHYS171 or PHYS161; or permission of department. For ASTR majors only.* Introduction to current optical observational techniques, with brief coverage of infrared, ultraviolet, and x-ray techniques. Statistics, spherical trigonometry time, catalogs, geometrical and physical optics, telescopes, and optical instruments. Effects of the atmosphere. Practical work at the observatory using a CCS camera. Some nighttime observing sessions.

0101	Alberto Bolatto	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	CSS 2428

ASTR330 **Solar System Astronomy**

ASTR330 Solar System Astronomy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department.* Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation.

0101	Alan Peel	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	CSS 2428

ASTR340 **Origin of the Universe**

ASTR340 Origin of the Universe; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of the CORE Distributive Studies requirement in Mathematics and the Sciences or permission of department.* Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

0101	Andrew Harris	Seats (Total: 50)
	TuTh 11:00am - 12:15pm	CSS 2400

ASTR380 **Life in the Universe - Astrobiology**

ASTR380 Life in the Universe - Astrobiology; (3 credits) Grade Method: REG/AUD.
Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department. Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.

0101	Michael Miller	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSS 2400

ASTR399 **Honors Seminar**

ASTR399 *(PermReq)* **Honors Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR430 **The Solar System**

ASTR430 The Solar System; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR121 or ASTR200; PHYS270 and PHYS271 (Formerly 263) or PHYS273; or permission of department.* Formation and evolution of the Solar System. Planetary surfaces, interiors, atmospheres, and magnetospheres. Asteroids, comets, planetary satellites, and ring systems. Emphasis on using basic physics to understand observed properties of the Solar System. Intended for students majoring in the physical sciences.

0101	Douglas Hamilton	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSS 2428

ASTR498 **Special Problems in Astronomy**

ASTR498 *(PermReq)* **Special Problems in Astronomy; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR601 **Radiative Processes**

ASTR601 *(PermReq)* **Radiative Processes; (3 credits)** Grade Method: REG/AUD. *Prerequisite: permission of department.* Emission, absorption, and scattering of radiation by matter, with astrophysical applications. Thermodynamics and statistical mechanics: LTE, Boltzmann, and Saha equations; radiative transfer; atomic and molecular radiation; plasma radiation and transfer: bremsstrahlung, synchrotron emission, Compton scattering.

0101	Massimo Ricotti	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 0201

ASTR615 **Computational Astrophysics**

ASTR615 Computational Astrophysics; (3 credits) Grade Method: REG/AUD.
Permission from department only. Formerly ASTR688C. Introduction to computational techniques used in astrophysical research. Topics include modern high performance computer architectures, scientific visualization and data analysis, and detailed descriptions of numerical algorithms for the solution to a wide range of mathematical systems important in astrophysics.

0101	Derek Richardson	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 0201

ASTR620 **Galaxies**

ASTR620 Galaxies; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Galaxy classifications; Milky way: basic data, distribution of stars, gas, dust and relativistic particles, large-scale structure and rotation; Spiral galaxies: stellar dynamics and stability, density waves, star bursts, galactic center; Elliptical galaxies: stellar dynamics, cannabalism; galaxy formation.

0101	Sylvain Veilleux	Seats (Total: 20)
	MW 2:00pm - 3:15pm	CSS 0201

ASTR695 **Introduction to Research**

ASTR695 Introduction to Research; (1 credit) Grade Method: S-F.
Provides an introduction to research programs in the Department of Astronomy and a forum to explore possible research projects. Aimed at incoming graduate students.

0101	Michael Miller	Seats (Total: 20)
	M 5:00pm - 6:00pm	CSS 0201

ASTR699 **Special Problems in Advanced Astronomy**

ASTR699 *(PermReq)* **Special Problems in Advanced Astronomy; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR788 **Selected Topics in Modern Astronomy**

ASTR788 *(PermReq)* **Selected Topics in Modern Astronomy; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

ASTR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

ASTR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

ASTR899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM Biochemistry Fall 2009

BCHM461 **Biochemistry I**

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Registration in course sections which begin with "SEF*" are restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.

BCHM461 Biochemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C (2.0) or better is required in all prerequisites. Not open to students who have completed BCHM261 or BCHM463. Credit will be granted for only one of the following: BCHM261, BCHM461, or BCHM463. First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Barbara Gerratana TuTh 9:30am - 10:45am	Seats (Total: 124) EGR 1202
0103	Nicole LaRonde TuTh 12:30pm - 1:45pm	Seats (Total: 115) CHM 1402

BCHM462 **Biochemistry II**

BCHM462 Biochemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BCHM461. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed BCHM463. Credit will be granted for only one of the following: BCHM462 or BCHM463. A continuation of BCHM 461. Metabolic pathways and metabolic regulation, energy transduction in biological systems, enzyme catalytic mechanisms.

0101	Douglas Julin TuTh 9:30am - 10:45am	Seats (Total: 95) CHM 1402

BCHM463 **Biochemistry of Physiology**

BCHM463 Biochemistry of Physiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C (2.0) or better is required in all prerequisites. Not open to students who have completed BCHM461 or BCHM462. Credit will be granted for only one of the following: BCHM463 or {BCHM461 or BCHM462}.* A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0101	James Watson MWF 11:00am - 11:50am	Seats (Total: 110) CHM 1402	
0102	Catherine Fenselau TuTh 11:00am - 12:15pm	Seats (Total: 105) CHM 1407	
SEF1	Sandra Fox-Moon M 6:30pm - 9:30pm	Seats (Total: 35) MCB 1207	
SG91	Thomas Stanton MWF 9:30am - 10:20am	Seats (Total: 50) SGII 3052	
	Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.		

BCHM464 **Biochemistry Laboratory**

BCHM464 Biochemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461 or BCHM463. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Corequisite: BCHM465. BCHM, CHEM and Nutritional Sciences majors have first priority, followed by other life science majors.* Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure. Students must pay a $40.00 laboratory materials fee.

0101	James Watson Th 12:30pm - 5:30pm Tu 12:30pm - 1:20pm	Seats (Total: 18) CHM 2225 CHM 1224	 Lab Discussion

0102	James Watson	Seats (Total: 18)	
	W 1:00pm - 6:00pm	CHM 2225	Lab
	Tu 12:30pm - 1:20pm	CHM 1224	Discussion

BCHM465 **Biochemistry III**

BCHM465 Biochemistry III; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BCHM461 or BCHM463. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students.. Recommended: BCHM462. CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

0101	Dorothy Beckett	Seats (Total: 80)
	TuTh 8:00am - 9:15am	CHM 1402

BCHM671 **Protein Chemistry and Enzymic Catalysis**

BCHM671 Protein Chemistry and Enzymic Catalysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: BCHM 416 or equivalent. Principles of protein structure, folding, and function, experimental characterization of structure, active sites, enzyme mechanisms and kinetics.

0101	George Lorimer	Seats (Total: 40)
	TuTh 9:30am - 10:50am	BSB 2118

BCHM674 **Nucleic Acids**

BCHM674 Nucleic Acids; (3 credits) Grade Method: REG/AUD.
Prerequisite: BSCI 410 or equivalent. Chemistry of nucleotides and polynucleotides, sequencing and organization of genomes, experimental methods. DNA replication, repair, and recombination. RNA synthesis and processing, regulation of gene expression.

0101	Theodore Dayie	Seats (Total: 40)
	TuTh 8:00am - 9:15am	BSB 2118

BCHM699 **Special Problems in Biochemistry**

BCHM699 Special Problems in Biochemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis M.S. degree candidates.

Contact department for information to register for this course.

BCHM799 **Master's Thesis Research**

BCHM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM889A **Seminar; Biochemistry**

BCHM889A Seminar: Biochemistry; (1 credit) Grade Method: REG/AUD.

0101	Theodore Dayie Tu 11:00am - 11:50am	Seats (Total: 40) Location: TBA

BCHM889C **Seminar; Allostery in DNA Binding**

BCHM889C *(PermReq)* **Seminar: Allostery in DNA Binding; (1 credit)** Grade Method: REG/AUD.

0101	Dorothy Beckett Contact instructor or department for details.	Seats (Total: 10)

BCHM889D **Seminar; Enzymology Recombination**

BCHM889D *(PermReq)* **Seminar: Enzymology Recombination; (1 credit)** Grade Method: REG/AUD.

0101	Douglas Julin Contact instructor or department for details.	Seats (Total: 10)

BCHM889F **Seminar; Antimicrobial Peptides**

BCHM889F *(PermReq)* **Seminar: Antimicrobial Peptides; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889J **Seminar; Nucleic Acid Structures**

BCHM889J *(PermReq)* **Seminar: Nucleic Acid Structures; (1 credit)** Grade Method: REG/AUD.

0101	Jason Kahn	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889M **Seminar; Modern Methods in NMR and Structural Biology**

BCHM889M Seminar: Modern Methods in NMR and Structural Biology; (1-3 credits) Grade Method: REG/AUD.

0101	David Fushman	Seats (Total: 40)
	Contact instructor or department for details.	

BCHM889P **Seminar; Structure and Reactivity of Biopolymers**

BCHM889P *(PermReq)* **Seminar: Structure and Reactivity of Biopolymers; (1 credit)** Grade Method: REG/AUD.

0101	Steven Rokita	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM898 **Pre-Candidacy Research**

BCHM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

BCHM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES Behavior, Ecology, Evolution and Systematics — Fall 2009

BEES608A **Seminar in Behavior, Ecology, Evolution and Systematics; Introduction to BEES**

BEES608A Seminar in Behavior, Ecology, Evolution and Systematics: Introduction to BEES; (1 credit) Grade Method: REG/AUD.

0101	Michele Dudash	Seats (Total: 20)
	M 2:00pm - 3:30pm	BPS 1208

BEES608P **Seminar in Behavior, Ecology, Evolution and Systematics; Paleobiology**

BEES608P Seminar in Behavior, Ecology, Evolution and Systematics: Paleobiology; (2 credits) Grade Method: REG/AUD.

0101	Scott Wing, Charles Mitter	Seats (Total: 15)
	F 10:00am - 12:00pm	BPS 2249

BEES799 **Master's Thesis Research**

BEES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES898 **Pre-Candidacy Research**

BEES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES899 **Doctoral Dissertation Research**

BEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE Bioengineering Fall 2009

BIOE120 **Biology for Engineers**

BIOE120 Biology for Engineers; (3 credits) Grade Method: REG/P-F/AUD.
For BIOE majors only. A combination of lectures and discussions covering biology from a utilization perspective, and lectures on illustrative mathematical models that capture the essences of characteristics of living entities. The biology material will focus on: distinguishing engineering from biological science, principles form the sciences applicable to biology, typical biological responses to environmental stimuli, scaling of biological responses, and different means to utilize living entities.

0101	Sameer Shah TuTh 9:30am - 10:45am	Seats (Total: 100) BPS 1243	

BIOE120U **Biology for Engineers**
Contact department for information to register for this course.

BIOE121 **Biology for Engineers Laboratory**

BIOE121 Biology for Engineers Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
For BIOE majors only. This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.

0101	Jose Aranda-Espinoza M 8:00am - 9:15am W 8:00am - 9:30am	Seats (Total: 18) KEB 1110 CHE 1145	 Lab
0102	Jose Aranda-Espinoza M 8:00am - 9:15am W 3:00pm - 4:30pm	Seats (Total: 22) KEB 1110 CHE 1145	 Lab
0103	Jose Aranda-Espinoza M 8:00am - 9:15am F 8:00am - 9:30am	Seats (Total: 25) KEB 1110 CHE 1145	 Lab

0104	Jose Aranda-Espinoza M 8:00am - 9:15am F 3:00pm - 4:30pm	Seats (Total: 22) KEB 1110 CHE 1145	 Lab

BIOE121U **Biology for Engineers Laboratory**
Contact department for information to register for this course.

BIOE150 **Applied Ethics and Public Policy in Bioengineering**

BIOE150 Applied Ethics and Public Policy in Bioengineering; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Also offered as HONR288L. Credit will be granted for only one of the following: BIOE150 or HONR288L. Students learn about medical devices such as heart valves and artificial hearts. Government requirements for clinical testing and the obligations that physicians, manufacturers, FDA and Congress have to patients are discussed.

0101	Glenn Rahmoeller W 2:00pm - 4:30pm	Seats (Total: 20) EGR 0110	

BIOE340 **Modeling Physiological Systems and Lab**

BIOE340 Modeling Physiological Systems and Lab; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120 and BIOE121. Credit will be granted for only one of the following: BIOE340 or (BSCI440 and BSCI441). Topics covered will include cell and general physiology, membrane physiology, blood cells and clotting, circulation, metabolism, respiration, and the nervous system. A lab component will also be included.

0101	John Fisher TuTh 3:30pm - 4:45pm Th 4:45pm - 6:30pm	Seats (Total: 53) KEB 1110 Location: TBA	 Lab

BIOE399 **Independent Study in Bioengineering**

BIOE399 *(PermReq)* **Independent Study in Bioengineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department.

Contact department for information to register for this course.

BIOE425 **Mechanical Properties of Biological Tissues**

BIOE425 *(PermReq)* **Mechanical Properties of Biological Tissues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and MATH241. For BIOE majors with senior or graduate standing only. An exploration of mechanical properties of living biological tissues; including hard and soft tissues. Coverage will include all the traditional mechanical properties applied to biological tissues, including: stress-strain behavior, elastic, viscoelastic, thermomechanical, fracture, fatigue, etc. Additionally, alteration of mechanical properties of living tissues due to disease, development, growth, and remodeling will be covered.

0101	Jafar Vossoughi	Seats (Total: 20)	
	Tu 6:00pm - 8:30pm	ANS 0408	

BIOE455 **Basic Electronic Design**

BIOE455 Basic Electronic Design; (3 credits) Grade Method: REG.
Prerequisite: PHYS142 or equivalent; MATH246, and BIOE241. Credit will be granted for only one of the following: BIOE455 or ENBE455. Formerly ENBE455.
Familiarization with basic electronic circuits and the ability to produce simple electronic designs.

0101	Ian White, Arthur Johnson, Marc-Peralte Dandin	Seats (Total: 50)	
	TuTh 12:30pm - 2:30pm	CHE 2108	
	M 2:00pm - 2:50pm	CSS 2428	Discussion

BIOE456 **Bioinstrumentation**

BIOE456 Bioinstrumentation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BIOE455; or permission of department. Credit will be granted for only one of the following: BIOE456 or ENBE456. Formerly ENBE456. Study of biomedical instrumentation and biomedical equipment technology. How biomedical equipment is used to measure information from the human body. Hands-on experience with representative biomedical equipment.

0101	Yang Tao	Seats (Total: 45)	
	TuTh 9:30am - 10:45am	CHM 1228	

BIOE471 **Biological Systems Control**

BIOE471 Biological Systems Control; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BIOE455; or permission of department. Credit will be granted for only one of the following: BIOE471 or ENBE471. Formerly ENBE471.* Principles of control systems designed by biological engineers and analysis of control mechanisms found in biological organisms. Apparent control strategies used by biological systems will be covered.

0101	Eric Hoppmann, Hubert Montas	Seats (Total: 50)	
	MW 1:00pm - 1:50pm	ANS 0422	
	F 1:00pm - 1:50pm	ANS 0422	Lab

BIOE482 **Analysis of Bioenergy Systems**

BIOE482 Analysis of Bioenergy Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM231 and ENME232; or equivalent. Combines topics from biofuels (some of which are renewable/sustainable) and biofuel cells. Emphasizes both engineering and biological analysis while including a practical perspective based on specific examples from the current literature. Ethanol from corn and sugar cane; gasoline from biomass; use of cellulosic biomass; enzymatic and microbial biofuel cells.

0101	Keith Herold, Jordan Betz	Seats (Total: 50)	
	TuTh 11:00am - 12:15pm	CSS 2324	

BIOE485 **Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics**

BIOE485 Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BIOE455. Senior standing. For BIOE majors only. Credit will be granted for only one of the following: BIOE485 or ENBE485. Formerly ENBE485. This is the first part of a two-semester senior capstone design course which covers principles involved in engineering design, design approaches, economics of design, ethics in engineering, and patent regulations. It also helps students learn team work and write design project proposals under the mentorship of a faculty advisor.

0101	Yang Tao, Adel Shirmohammadi MW 11:00am - 12:15pm	Seats (Total: 50) CSS 2324	

BIOE601 **Biomolecular and Cellular Rate Processes**

BIOE601 Biomolecular and Cellular Rate Processes; (3 credits) Grade Method: REG/AUD.
Also offered as ENCH859B. Credit will be granted for only one of the following: BIOE 601 or ENCH 859B. Presentation of techniques for characterizing and manipulating non-linear biochemical reaction networks. Advanced topics to include mathematical modeling of the dynamics of biological systems; separation techniques for heat sensitive biologically active materials; and rate processes in cellular and biomolecular systems. Methods are applied to current biotechnological systems, some include: recombinant bacteria; plant insect and mammalian cells; and transformed cell lines.

0101	William Bentley, Rodica Bauer TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 3114	

BIOE602 **Cellular and Tissue Biomechanics**

BIOE602 Cellular and Tissue Biomechanics; (3 credits) Grade Method: REG/AUD.
Introduction to the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress and strain, multiaxial deformations, stress analysis, and viscoelasticity. Biomechanics of soft and hard tissues.

0101	Adam Hsieh TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 20) Location: TBA ANS 0402	Discussion

BIOE605 **Laboratory Rotations I**

BIOE605 Laboratory Rotations I; (1 credit) Grade Method: REG.
For BIOE majors only. Provides the opportunity to experience different laboratory environments. Students gain exposure to graduate research, learn a wide variety of laboratory and/or computational techniques, become familiar with Bioengineering program faculty, and develop insight on personal research interests and direction. Laboratory rotations are required in Fall and Spring of the first year of the Ph.D. Program. BIOE605: Laboratory Rotations I will be held in the Fall semester. BIOE606: Laboratory Rotations II will be held in the Spring semester.

0101	Peter Kofinas	Seats (Total: 15)
	F 11:00am - 11:50am	CHE 2108

BIOE608 **Bioengineering Seminar Series**

BIOE608 Bioengineering Seminar Series; (1 credit) Grade Method: REG/AUD.
For BIOE majors only.

0101	Adam Hsieh	Seats (Total: 20)
	F 11:00am - 11:50am	CHE 2108

BIOE645 **Advanced Engineering Start Up Ventures**

BIOE645 Advanced Engineering Start Up Ventures; (3 credits) Grade Method: REG.
Covers principles and practices important to engineering startup ventures, especially those involving bioengineering and medical device enterprises, and includes the preparation of business plans and tools used to obtain funding. This course will be taught in the Maryland Technology Enterprise Bldg.

0101	David Barbe, Martha Connolly	Seats (Total: 25)
	F 9:00am - 12:00pm	POT 2111

BIOE689 **Special Topics in Bioengineering**

BIOE689 Special Topics in Bioengineering; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE689C **Special Topics in Bioengineering; Biomedical Optics**

BIOE689C Special Topics in Bioengineering: Biomedical Optics; (1-3 credits) Grade Method: REG.

0101	Yu Chen	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CHE 2116

BIOE689N **Special Topics in Bioengineering; Bionanotechnology: Physical Principles**

BIOE689N Special Topics in Bioengineering: Bionanotechnology: Physical Principles; (3 credits) Grade Method: REG.
Also offered as ENCH648N.

0101	Srinivasa Raghavan	Seats (Total: 25)
	Contact instructor or department for details.	

BIOE689P **Special Topics in Bioengineering; Biopolymers**

BIOE689P *(PermReq)* **Special Topics in Bioengineering: Biopolymers; (3 credits)** Grade Method: REG.

0101	Peter Kofinas	Seats (Total: 2)
	Contact instructor or department for details.	

BIOE799 **Master's Thesis Research**

BIOE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

BIOE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

BIOE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL Biology Fall 2009

BIOL608B **Biology Seminar; Behavior Ecology**

BIOL608B *(PermReq)* **Biology Seminar: Behavior Ecology; (1-2 credits)** Grade Method: REG.

0101	Gerald Borgia	Seats (Total: 10)	
	Contact instructor or department for details.		

BIOL608Z **Biology Seminar; Key Ideas in Evolution**

BIOL608Z Biology Seminar: Key Ideas in Evolution; (2 credits) Grade Method: REG.

0101	Cristian Castillo-Davis	Seats (Total: 20)	
	Th 3:00pm - 5:00pm	BRB 2210	

BIOL609 **Special Problems in Biology**

BIOL609 Special Problems in Biology; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL620 **Cell Biology**

BIOL620 Cell Biology; (3 credits) Grade Method: REG/AUD.
Prerequisites: BSCI230/BSCI330/ZOOL211 or BCHM461, BSCI222/BIOL222, and CHEM233 or permission of instructor. Offered with laboratory as BSCI 421. Molecular basis of cell structure and function in eukaryotes.

0101	Hey-Kyoung Lee	Seats (Total: 12)	
	MWF 12:00pm - 12:50pm	BPS 1250	
	F 11:00am - 11:50am	BPS 1230	Discussion

BIOL622 **Membrane Transport Phenomena**

BIOL622 Membrane Transport Phenomena; (3 credits) Grade Method: REG/AUD. *Prerequisites: MATH220 and (BSCI230, BSCI330 or ZOOL421) or permission of instructor. Credit will be granted for only one of the following: BIOL622 or ZOOL622. Formerly ZOOL622.* The fundamental phenomena related to solute movement in bulk solution and across interfaces. Examination of natural and artificial membrane transport systems, with emphasis placed on their mechanism of action. Click here for more course information.

0101	Marco Colombini	Seats (Total: 5)
	TuTh 4:00pm - 5:15pm	JMP 1202

BIOL646 **Hearing**

BIOL646 Hearing; (3 credits) Grade Method: REG.
Prerequisite: BSCI230 or BSCI330; or permission of instructor. Credit will be granted for only one of the following: BIOL646 or ZOOL636. Formerly ZOOL636. Principles of hearing, covering the auditory periphery, the physiology and anatomy of the central auditory system and psychoacoustics.

0101	Catherine Carr	Seats (Total: 15)
	W 3:00pm - 5:30pm	BPS 2249

BIOL701 **Teaching Biology**

BIOL701 Teaching Biology; (1 credit) Grade Method: S-F.
For LFSC graduate students only. Credit will be granted for only one of the following: BIOL 701 or ZOOL 701. Formerly ZOOL701. Introduction to instructional methods and strategies, University and College policies, and campus resources for new LFSC graduate teaching assistants.

0101	William Higgins	Seats (Total: 20)
	Tu 6:00pm - 8:00pm	BPS 1208

BIOL708B **Advanced Topics in Biology; Principles of Animal Behavior**

BIOL708B Advanced Topics in Biology: Principles of Animal Behavior; (3 credits) Grade Method: REG.

0101	Gerald Wilkinson MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 2) PLS 1130 PLS 1168	 Discussion
0102	Gerald Wilkinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 2) PLS 1130 PLS 1168	 Discussion
0103	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 2) PLS 1130 PLS 1168	 Discussion
0104	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 2) PLS 1130 PLS 1113	 Discussion

BIOL708C **Advanced Topics in Biology; Genomics of Sensory Systems**

BIOL708C Advanced Topics in Biology: Genomics of Sensory Systems; (2 credits) Grade Method: REG.

0101	Karen Carleton MW 2:00pm - 2:50pm	Seats (Total: 5) BPS 1230

BIOL708E **Advanced Topics in Biology; Diseases of the Nervous System**

BIOL708E Advanced Topics in Biology: Diseases of the Nervous System; (3 credits) Grade Method: REG.

0101	Avis Cohen TuTh 2:00pm - 3:15pm	Seats (Total: 5) PLS 1117

BIOL708G **Advanced Topics in Biology; Genetics & Genome Data Analysis**

BIOL708G Advanced Topics in Biology: Genetics & Genome Data Analysis; (3 credits) Grade Method: REG.

0101	Michael Cummings Tu 3:00pm - 6:00pm	Seats (Total: 20) BSB 3118

BIOL708K **Advanced Topics in Biology; Advanced Population Ecology**

BIOL708K Advanced Topics in Biology: Advanced Population Ecology; (3 credits) Grade Method: REG.

0101	Douglas Gill	Seats (Total: 20)	
	MWF 9:00am - 9:50am	PLS 1140	

BIOL708L **Advanced Topics in Biology; Quantitative Analysis of Biological Data**

BIOL708L Advanced Topics in Biology: Quantitative Analysis of Biological Data; (4 credits) Grade Method: REG.

0101	Jonathan Simon	Seats (Total: 20)	
	TuTh 3:30pm - 4:45pm	PLS 1158	
	M 3:00pm - 5:00pm	EGR 0312	Lab

BIOL708N **Advanced Topics in Biology; Mammalian Physiology**

BIOL708N Advanced Topics in Biology: Mammalian Physiology; (3 credits) Grade Method: REG.

0101	Sergei Sukharev	Seats (Total: 5)	
	MWF 10:00am - 10:50am	BPS 1250	

BIOL708T **Advanced Topics in Biology; Theoretical Ecology**

BIOL708T Advanced Topics in Biology: Theoretical Ecology; (4 credits) Grade Method: REG.

0101	Bill Fagan	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PLS 1117	
	Th 6:00pm - 9:00pm	PLS 1121	Lab

BIOL744 **Neurophysiology**

BIOL744 Neurophysiology; (3 credits) Grade Method: REG/AUD.
Prerequisites: BIOL 230/ZOOL 211, CHEM 233, and PHYS 122. The physiology of nerves, muscles, an sensory receptors, and aspects of central nervous system physiology.

0101	Catherine Carr, Elizabeth Quinlan	Seats (Total: 4)
	TuTh 12:30pm - 1:45pm	BPS 1250

BIOL760 **Plant Population Biology**

BIOL760 Plant Population Biology; (3 credits) Grade Method: REG. *Prerequisite: BSCI 472 or permission of instructor. Credit will be granted for only one of the following: BIOL 760 or PBIO 740. Formerly PBIO740.* An examination of current theoretical and empirical research covering topics such as demography, reproductive strategy, clonality, seed banks,interspecific competition and plant-herbivore interactions.

0101	Michele Dudash	Seats (Total: 20)
	W 12:00pm - 3:00pm	BPS 2249

BIOL799 **Master's Thesis Research**

BIOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

BIOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

BIOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM Biometrics Fall 2009

BIOM301 **Introduction to Biometrics**

BIOM301 Introduction to Biometrics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH113 or MATH115. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.* Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0102	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0103	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 3:00pm - 3:50pm	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0104	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0105	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0106	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0107	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 12) JMZ 0220 ANS 0473	Discussion

BIOM405 Computer Applications in Biometrics

BIOM405 *(PermReq)* **Computer Applications in Biometrics; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOM402 or equivalent. An introduction to computer applications for data analysis. This is equivalent to the computer lab of 601 and is required for students that have taken BIOM 301 and BIOM402 and wish to go directly into BIOM602.

0101	Frank Siewerdt Contact instructor or department for details.	Seats (Total: 5)	

BIOM601 **Biostatistics I**

BIOM601 Biostatistics I; (4 credits) Grade Method: REG/AUD.
Prerequisite: BIOM 301, STAT 464 or equivalent. Not open to students who have completed BIOM 402. Credit will be granted for only one of the following: BIOM 401 or BIOM 601. Estimation and hypothesis testing, t tests, one and two way analysis of variance, regression, analysis of frequency data. Lecture will emphasize uses and limitations of these methods in biology, while the laboratory will emphasize the use of statistical analysis software for the analysis of biological data.

0101	Frank Siewerdt TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:00pm	Seats (Total: 27) ANS 0408 ANS 0473	 Lab
0102	Frank Siewerdt TuTh 12:30pm - 1:45pm W 9:00am - 11:00am	Seats (Total: 27) ANS 0408 ANS 0473	 Lab
0104	Frank Siewerdt TuTh 12:30pm - 1:45pm Th 2:00pm - 4:00pm	Seats (Total: 27) ANS 0408 ANS 0473	 Lab

BIOM603 **Biostatistics III**

BIOM603 Biostatistics III; (4 credits) Grade Method: REG/AUD.
Prerequisite: BIOM 602; or equivalent. Applications and implementation of linear model analysis to biological data, including logistic and Poisson regression models for correlated data.

0101	Jiuzhou Song	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	ANS 0402	
	Th 9:30am - 11:30am	ANS 0473	Lab

BIOM621 **Applied Multivariate Statistics**

BIOM621 Applied Multivariate Statistics; (3 credits) Grade Method: REG/AUD. *Prerequisite: BIOM 602. Recommended: BIOM 603. Not open to students who have completed BIOM 688B.* Brief review of matrix algebra, means, covariance matrices, multivariate normal, multivariate confidence ellipses, MANOVA, Discriminant Methods, Principal Component Analysis, Factor Analysis, Multidimensional Scaling, Cluster Analyses, and other topics, depending on student interest.

0101	Bahram Momen	Seats (Total: 20)	
	TuTh 3:30pm - 4:45pm	PLS 1162	

BIOM688A **Topics in Biometrics; Consulting Experience in Biometrics**

BIOM688A Topics in Biometrics: Consulting Experience in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM698 **Special Problems in Biometrics**

BIOM698 Special Problems in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH Biophysics Fall 2009

BIPH698L **Biophysics Seminar; Biophysics**

BIPH698L Biophysics Seminar: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya	Seats (Total: 10)	
	M 4:00pm - 5:30pm	IPT 1116	

BIPH898 **Pre-Candidacy Research**

BIPH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH899 **Doctoral Dissertation Research**

BIPH899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT Business and Management Fall 2009

BMGT110 **Introduction to Business and Management**

BMGT110 Introduction to Business and Management; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to BMGT students who have completed 56 or more credit hours. All others may take it anytime. A survey of the field of business, including its environment, organization, overall and functional management and current issues and developments.

0101	Howard Frank TuTh 12:30pm - 1:45pm	Seats (Total: 90) VMH 1524
FP01	Hugh Turner MW 9:30am - 10:45am *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 35) VMH 1415
FP02	Gary Cohen MW 11:00am - 12:15pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 35) VMH 1518
FP03	Gary Cohen MW 9:30am - 10:45am *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 35) VMH 1518

FP04	Gary Cohen MW 2:00pm - 3:15pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 35) VMH 1518
FP05	Gary Cohen MW 3:30pm - 4:45pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 35) VMH 1518
FP06	Hugh Turner TuTh 9:30am - 10:45am *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 35) VMH 1418
FP07	Hugh Turner TuTh 11:00am - 12:15pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 35) VMH 1418
FP08	Gary Cohen TuTh 12:30pm - 1:45pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 34) VMH 1333
FP09	Hugh Turner TuTh 12:30pm - 1:45pm *Restricted to students in the Smith School's Freshman Fellows Program.*	Seats (Total: 32) VMH 1418

BMGT110M **Introduction to Business and Management**
Contact department for information to register for this course.

BMGT110S **Introduction to Business and Management**

BMGT110S Introduction to Business and Management; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
Restricted to College Park Scholars in Business, Society, and the Economy.

0101	Jeff Miller MW 11:00am - 12:15pm	Seats (Total: 40) CCC 1205
0201	Jeff Miller MW 12:30pm - 1:45pm	Seats (Total: 40) CCC 1205

BMGT190H **Introduction to Design and Quality**

BMGT190H Introduction to Design and Quality; (4 credits) Grade Method: REG. *Prerequisite: permission of College. Also offered as ENES190. Credit will be granted for only one of the following: BMGT190 or ENES190.* Restricted to Quest Program students.

0101	Joseph Bailey TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	Seats (Total: 40) VMH 1330 VMH 1303	 Discussion
0102	Joseph Bailey TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	Seats (Total: 40) VMH 1330 VMH 1307	 Discussion

BMGT202 **Decision Models with Spreadsheets**

BMGT202 Decision Models with Spreadsheets; (3 credits) Grade Method: REG/P-F/AUD.
For BMGT majors only. The main objective is to teach how to solve problems arising in modern business environments using a spreadsheet application. The course will begin by teaching common tools available in popular spreadsheet applications. Then it will introduce the students to a variety of analytical problems arising in modern businesses and present ways in which these problems can be solved using spreadsheet applications. Restricted to BMGT majors with 24 credits completed.

0101	Peter Weiss TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1311	

BMGT220 **Principles of Accounting I**

BMGT220 Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. Open to all students with 24 credit hours completed.

0101	Progyan Basu, Colin Linsley TuTh 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion

0102	Colin Linsley, Progyan Basu TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1303	Discussion
0103	Progyan Basu, Colin Linsley TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 40) VMH 1212 VMH 1303	Discussion
0104	Colin Linsley, Progyan Basu TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1412	Discussion
0105	Colin Linsley, Progyan Basu TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1206	Discussion
0201	Progyan Basu, Colin Linsley TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1303	Discussion
0202	Colin Linsley, Progyan Basu TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1303	Discussion
0203	Progyan Basu, Colin Linsley TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1212 VMH 1303	Discussion
0204	Progyan Basu, Colin Linsley TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 40) VMH 1212 VMH 1411	Discussion
0205	Progyan Basu, Colin Linsley TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1412	Discussion
0206	Progyan Basu, Colin Linsley TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1412	Discussion

0301	Colin Linsley TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion
0302	Colin Linsley TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion
0303	Colin Linsley TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion
0304	Colin Linsley TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 36) VMH 1524 VMH 1307	 Discussion
0305	Colin Linsley TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 38) VMH 1524 VMH 1412	 Discussion
0306	Colin Linsley TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1206	 Discussion
0401	Colin Linsley TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion
0402	Colin Linsley TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion
0403	Colin Linsley TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1303	 Discussion
0404	Colin Linsley TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion

0405	Colin Linsley TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1524 VMH 1412	 Discussion

BMGT220H **Principles of Accounting I**

BMGT220H Principles of Accounting I; (3 credits) Grade Method: REG. Restricted to Honors students with 24 credit hours completed.

0101	Michael Finch, Colin Linsley TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1412	

BMGT220M **Principles of Accounting I**

BMGT220M Principles of Accounting I; (3 credits) Grade Method: REG. Restricted to Markets & Society students with 24 credit hours completed.

0304	Colin Linsley TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 4) VMH 1524 VMH 1307	 Discussion
0305	Colin Linsley TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 2) VMH 1524 VMH 1412	 Discussion

BMGT221 **Principles of Accounting II**

BMGT221 Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to students with 24 credit hours completed.

0101	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 40) VMH 1212 VMH 1411	 Discussion

0102	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1411	Discussion
0103	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1411	Discussion
0104	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1411	Discussion
0105	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1330	Discussion
0201	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1212 VMH 1411	Discussion
0202	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1212 VMH 1411	Discussion
0203	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1330	Discussion
0204	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1330	Discussion
0205	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1212 VMH 1330	Discussion

BMGT221H **Principles of Accounting II**

BMGT221H Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Restricted to Honors students with 24 credit hours completed.

0101	Lei Zhou TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1415	

BMGT230 **Business Statistics**

BMGT230 Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. This course does not meet requirements for management science and statistics majors.

0101	Karen Gold MW 8:00am - 9:15am F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 COL 0100	 Discussion
0102	Karen Gold MW 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 23) VMH 1524 COL 0100	 Discussion
0103	Karen Gold MW 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 32) VMH 1524 COL 0100	 Discussion
0104	Karen Gold MW 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 17) VMH 1524 COL 0100	 Discussion
0105	Karen Gold MW 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 24) VMH 1524 COL 0100	 Discussion
0106	Karen Gold MW 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 29) VMH 1524 COL 0100	 Discussion

0107	Karen Gold MW 8:00am - 9:15am F 2:00pm - 2:50pm	Seats (Total: 25) VMH 1524 COL 0113	Discussion
0201	Karen Gold MW 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 COL 3112	Discussion
0202	Karen Gold MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 32) VMH 1524 COL 3112	Discussion
0203	Karen Gold MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 30) VMH 1524 COL 3112	Discussion
0204	Karen Gold MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 32) VMH 1524 COL 3112	Discussion
0205	Karen Gold MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 17) VMH 1524 COL 3112	Discussion
0206	Karen Gold MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 20) VMH 1524 COL 3112	Discussion
0207	Karen Gold MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 19) VMH 1524 COL 3112	Discussion
0301	Karen Gold MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 24) VMH 1524 COL 3111	Discussion
0302	Karen Gold MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 17) VMH 1524 COL 3111	Discussion

0303	Karen Gold MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 17) VMH 1524 COL 3111	Discussion
0304	Karen Gold MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 17) VMH 1524 COL 3111	Discussion
0305	Karen Gold MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 19) VMH 1524 COL 3111	Discussion
0306	Karen Gold MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 17) VMH 1524 COL 3109	Discussion
0307	Karen Gold MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 17) VMH 1524 COL 0101	Discussion

BMGT230B **Business Statistics**

BMGT230B Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Restricted to BMGT majors.

0102	Karen Gold MW 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 9) VMH 1524 COL 0100	Discussion
0104	Karen Gold MW 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 15) VMH 1524 COL 0100	Discussion
0105	Karen Gold MW 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 8) VMH 1524 COL 0100	Discussion

0106	Karen Gold MW 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 3) VMH 1524 COL 0100	Discussion
0107	Karen Gold MW 8:00am - 9:15am F 2:00pm - 2:50pm	Seats (Total: 7) VMH 1524 COL 0113	Discussion
0205	Karen Gold MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 15) VMH 1524 COL 3112	Discussion
0206	Karen Gold MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 12) VMH 1524 COL 3112	Discussion
0207	Karen Gold MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 13) VMH 1524 COL 3112	Discussion
0301	Karen Gold MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 8) VMH 1524 COL 3111	Discussion
0302	Karen Gold MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 15) VMH 1524 COL 3111	Discussion
0303	Karen Gold MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 15) VMH 1524 COL 3111	Discussion
0304	Karen Gold MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 15) VMH 1524 COL 3111	Discussion
0305	Karen Gold MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 COL 3111	Discussion

0306	Karen Gold MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 15) VMH 1524 COL 3109	Discussion
0307	Karen Gold MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 15) VMH 1524 COL 0101	Discussion

BMGT230H **Business Statistics**

BMGT230H Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Restricted to Honors students.

0101	Kazim Ruhi MW 12:30pm - 1:45pm	Seats (Total: 36) VMH 1528

BMGT230M **Business Statistics**

BMGT230M Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Restricted to Markets & Society students.

0203	Karen Gold MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 2) VMH 1524 COL 3112	Discussion

BMGT298F **Special Topics in Business and Management; Freshman Fellows Colloquium**

BMGT298F *(PermReq)* **Special Topics in Business and Management: Freshman Fellows Colloquium; (1 credit)** Grade Method: REG.
Restricted to Freshman Fellows.

FP01	Martin Dresner Tu 9:30am - 10:45am	Seats (Total: 36) VMH 2203

FP02	Martin Dresner Tu 11:00am - 12:15pm	Seats (Total: 36) VMH 2203
FP03	Martin Dresner Tu 12:30pm - 1:45pm	Seats (Total: 36) VMH 2203
FP04	Martin Dresner Tu 2:00pm - 3:15pm	Seats (Total: 36) VMH 2203
FP05	Martin Dresner W 9:30am - 10:45am	Seats (Total: 36) VMH 2203
FP06	Martin Dresner W 11:00am - 12:15pm	Seats (Total: 36) VMH 2203
FP07	Martin Dresner W 2:00pm - 3:15pm	Seats (Total: 36) VMH 2203

BMGT301 **Introduction to Information Systems**

BMGT301 Introduction to Information Systems; (3 credits) Grade Method: REG. *CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree. For BMGT majors only.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.

0101	Xiaoqing Wang MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credits completed.*	Seats (Total: 60) VMH 1412
0201	Catherine Anderson MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credits completed.*	Seats (Total: 60) VMH 1412

0301	Catherine Anderson TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credits completed.*	Seats (Total: 60) VMH 1303
0401	Catherine Anderson TuTh 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credits completed.*	Seats (Total: 60) VMH 1303
0501	Xiaoqing Wang MW 8:00am - 9:15am *Restricted to BMGT majors with 53 credits completed.*	Seats (Total: 60) VMH 1412
0601	Peter Weiss MW 5:00pm - 6:15pm *Restricted to BMGT majors with 53 credits completed.*	Seats (Total: 60) VMH 1412
0701	Peter Weiss M 7:00pm - 9:40pm *Restricted to BMGT majors with 53 credits completed.*	Seats (Total: 60) VMH 1303
FP01	Guodong Gao MW 12:30pm - 1:45pm *Restricted to second year students in the Smith School's freshmen fellows program with 45 credits.*	Seats (Total: 40) VMH 1412
FP02	Guodong Gao MW 3:30pm - 4:45pm *Restricted to second year students in the Smith School's freshmen fellows program with 45 credits.*	Seats (Total: 40) VMH 1411

BMGT302 Developing Business Applications

BMGT302 Developing Business Applications; (3 credits) Grade Method: REG. *Prerequisite: BMGT301; or permission of department. Not open to Computer Science majors and Computer Science majors will not receive credit. For BMGT majors only.* The course provides a structured approach to business application development and programming. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included. Restricted to BMGT majors with 53 credit hours completed.

0101	Peter Weiss TuTh 3:30pm - 4:45pm Th 5:00pm - 5:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab
0201	Peter Weiss MW 3:30pm - 4:45pm W 5:00pm - 5:50pm	Seats (Total: 25) VMH 2203 VMH 2203	 Lab

BMGT310 **Intermediate Accounting I**

BMGT310 Intermediate Accounting I; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting. Restricted to accounting and finance majors with 53 credit hours completed.

0101	Kendrall Hardy MW 9:30am - 10:45am	Seats (Total: 40) VMH 1411	
0201	Kendrall Hardy MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1411	
0301	Sandra Rose MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1411	
0401	Justin Trudel MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1411	
0501	James McKinney TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1411	

0601	Peter McPhun W 7:00pm - 9:40pm	Seats (Total: 40) VMH 1412
SG91	Leslie Mostow TuTh 9:30am - 10:45am	Seats (Total: 45) SG3 4212
	Registration is restricted to BMGT-Shady Grove Accounting majors with fewer then 75 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Leslie Mostow TuTh 11:00am - 12:15pm	Seats (Total: 45) SG3 4212
	Registration is restricted to BMGT-Shady Grove Accounting majors with fewer than 75 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT311 **Intermediate Accounting II**

BMGT311 Intermediate Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT310.* Continuation of BMGT310. Restricted to accounting majors with 60 credit hours completed.

0101	Sandra Rose TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1411
0201	Sandra Rose TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1411
0301	Sandra Rose MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1206
0401	Rachel Hall MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1206

BMGT313 **Financial Statement Analysis**

BMGT313 Financial Statement Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users.

0101	Gary Bulmash TuTh 2:00pm - 3:15pm *Restricted to Accounting and Finance majors with 53 credits completed.*	Seats (Total: 35) VMH 1518
FP01	Gary Bulmash TuTh 9:30am - 10:45am *Restricted to Emerging CFOs Fellows (FPEC).*	Seats (Total: 35) VMH 1518
FP02	Gary Bulmash TuTh 11:00am - 12:15pm *Restricted to Financial Services Fellows (FPFS).*	Seats (Total: 35) VMH 1518

BMGT321 **Managerial Accounting**

BMGT321 Managerial Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making. Restricted to BMGT majors with 53 credit hours completed.

0101	Lei Zhou TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1202
0201	Kendrall Hardy TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1202
0301	Kendrall Hardy TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1303
0401	Lei Zhou TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1303

BMGT323 **Taxation of Individuals**

BMGT323 Taxation of Individuals; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered. Restricted to accounting majors with 53 credit hours completed.

0101	Gregory Pfeiffer MW 9:30am - 10:45am	Seats (Total: 40) VMH 1335
0201	Gregory Pfeiffer MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1335
0301	Gregory Pfeiffer MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1335
0401	Alan Jacobs TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1206
SG91	Alan Jacobs TuTh 11:00am - 12:15pm	Seats (Total: 43) SG3 4230 *Registration is restricted to BMGT-Shady Grove Accounting majors with 8 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*
SG92	Alan Jacobs TuTh 12:30pm - 1:45pm	Seats (Total: 43) SG3 4230 *Registration is restricted to BMGT-Shady Grove Accounting majors with 8 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*

BMGT326 **Accounting Systems**

BMGT326 Accounting Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT221 and (BMGT301 or BMGT201). A study of accounting systems and computer and communications technology. Restricted to accounting majors with 60 credit hours completed.

0101	Michael Lavine MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1206

0201	Michael Lavine MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1206
0301	Michael Lavine M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1307
SG91	Rachel Hall TuTh 9:30am - 10:45am	Seats (Total: 43) SG3 3230
	Registration is restricted to BMGT-Shady Grove Accounting majors with 8 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Rachel Hall TuTh 11:00am - 12:15pm	Seats (Total: 43) SG3 3230
	Registration is restricted to BMGT-Shady Grove Accounting majors with 8 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT332 **Operations Research For Management Decisions**

BMGT332 Operations Research For Management Decisions; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231; or equivalent. Surveys the philosophy, techniques and applications of operations research to managerial decision-making. Techniques covered include: linear programming, transportation and assignment models, Markov processes and inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management. Restricted to BMGT majors and Quest students with 53 credit hours completed.

0101	Kazim Ruhi TuTh 9:30am - 10:45am	Seats (Total: 50) VMH 1412
0201	Kazim Ruhi TuTh 12:30pm - 1:45pm	Seats (Total: 50) VMH 1412
0301	Kazim Ruhi TuTh 2:00pm - 3:15pm	Seats (Total: 50) VMH 1412
0401	Kazim Ruhi MW 9:30am - 10:45am	Seats (Total: 50) VMH 1528

BMGT340 **Business Finance**

BMGT340 Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to BMGT majors with 53 credit hours completed. Other students should review their eligibility for BMGT340N.

0101	Susan White MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 40) VMH 1524 VMH 3505	 Discussion
0102	Susan White MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion
0103	Susan White MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion
0104	Susan White MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion
0105	Susan White MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion
0106	Susan White MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion
0201	Susan White MW 3:30pm - 4:45pm F 8:00am - 8:50am	Seats (Total: 38) VMH 1524 VMH 1318	 Discussion

0202	Susan White MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 28) VMH 1524 VMH 1318	Discussion
0203	Susan White MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 38) VMH 1524 VMH 1318	Discussion
0204	Susan White MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 38) VMH 1524 VMH 1318	Discussion
0205	Susan White MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 38) VMH 1524 VMH 1318	Discussion
0206	Susan White MW 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 38) VMH 1524 VMH 1318	Discussion
SG91	Michael Lee TuTh 9:30am - 10:45am	Seats (Total: 60) SG3 3241	
	Registration is restricted to BMGT-Shady Grove Accounting and International Business majors with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG92	Michael Lee TuTh 11:00am - 12:15pm	Seats (Total: 60) SG3 3241	
	Registration is restricted to BMGT-Shady Grove Accounting and International Business majors with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG93	Michael Lee TuTh 12:30pm - 1:45pm	Seats (Total: 60) SG3 3241	
	Registration is restricted to BMGT-Shady Grove Marketing and Entrepreneurship majors with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT340H Business Finance

BMGT340H *(PermReq)* **Business Finance; (3 credits)** Grade Method: REG. *Prerequisites: BMGT221; and {BMGT230 or BMGT231}.* Restricted to BMGT Honors students with 53 credit hours completed.

0101	Susan White MW 9:30am - 10:45am	Seats (Total: 35) VMH 1202	

BMGT340N **Business Finance**

BMGT340N Business Finance; (3 credits) Grade Method: REG. *Prerequisites: BMGT221; and {BMGT230 or BMGT231}.* Restricted to agricultural and resource economics majors 0111C) with 53 credit hours completed.

0202	Susan White MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 10) VMH 1524 VMH 1318	 Discussion

BMGT343 **Investments**

BMGT343 Investments; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies. Restricted to finance majors with 60 credit hours completed.

0101	Anna Obizhaeva TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1307
0201	Anna Obizhaeva TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1307
0301	Anna Obizhaeva TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1307
0401	Michael Lee MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1330

BMGT350 **Marketing Principles and Organization**

BMGT350 Marketing Principles and Organization; (3 credits) Grade Method: REG. *Prerequisite: ECON200 or ECON205.* An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to BMGT majors with 53 credit hours completed. Other students should review their eligibility for BMGT 350N.

0101	Henry Boyd TuTh 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 26) VMH 1524 VMH 1314	 Discussion
0102	Henry Boyd TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 36) VMH 1524 VMH 1314	 Discussion
0103	Henry Boyd TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 36) VMH 1524 VMH 1314	 Discussion
0104	Henry Boyd TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 36) VMH 1524 VMH 1314	 Discussion
0105	Henry Boyd TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 36) VMH 1524 VMH 1314	 Discussion
0106	Henry Boyd TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 36) VMH 1524 VMH 1314	 Discussion
0201	Henry Boyd TuTh 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 36) VMH 1524 VMH 1418	 Discussion
0202	Henry Boyd TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 36) VMH 1524 VMH 1418	 Discussion

0203	Henry Boyd TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 36) VMH 1524 VMH 1418	Discussion
0204	Henry Boyd TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 36) VMH 1524 VMH 1418	Discussion
0205	Henry Boyd TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 36) VMH 1524 VMH 1418	Discussion
0206	Henry Boyd TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 36) VMH 1524 VMH 1418	Discussion
SG91	Roxanne Lefkoff MW 9:30am - 10:45am	Seats (Total: 60) SG3 4202	
	Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG92	Roxanne Lefkoff MW 11:00am - 12:15pm	Seats (Total: 60) SG3 4202	
	Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG93	Roxanne Lefkoff MW 2:00pm - 3:15pm	Seats (Total: 60) SG3 4202	
	Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT350H **Marketing Principles and Organization**

BMGT350H *(PermReq)* **Marketing Principles and Organization; (3 credits)** Grade Method: REG.
Prerequisite: ECON200 or ECON205. Restricted to BMGT Honors students with 53 credit hours completed.

0101	Roxanne Lefkoff TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1335	

BMGT350N **Marketing Principles and Organization**

BMGT350N Marketing Principles and Organization; (3 credits) Grade Method: REG.
Prerequisite: ECON200 or ECON205. Restricted to agricultural and resource economics (0111C) and horticulture (0107C) majors with 53 credit hours completed.

0101	Henry Boyd TuTh 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 10) VMH 1524 VMH 1314	 Discussion

BMGT353 **Retail Management**

BMGT353 Retail Management; (3 credits) Grade Method: REG.
Prerequisites: BMGT220; and BMGT350. Planning and implementing retail marketing strategy. Store and nonstore (catalog, Internet) retailing. Evaluation of how environmental trends in the consumer market, competition, the economy and technology affect retail strategy in the U.S. and global market. Restricted to BMGT majors with 60 credit hours completed.

0101	Jie Zhang TuTh 2:00pm - 3:15pm	Seats (Total: 32) VMH 1202
0201	Jie Zhang TuTh 12:30pm - 1:45pm	Seats (Total: 33) VMH 1202
0301	Jie Zhang TuTh 3:30pm - 4:45pm	Seats (Total: 32) VMH 1202

BMGT360 **Human Resource Management**

BMGT360 Human Resource Management; (3 credits) Grade Method: REG.
The basic course in human resource management includes manpower planning, recruitment, selection, development, compensation and appraisal of employees. Explores the impact of scientific management and unionism on these functions. Open to all students with 53 credit hours completed.

0101	James Spina MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1415	 Discussion

0102	James Spina MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1415	 Discussion
0103	James Spina MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1415	 Discussion
0104	James Spina MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1415	 Discussion
0105	James Spina MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1415	 Discussion
0106	James Spina MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1415	 Discussion
SG91	Gosia Langa TuTh 9:30am - 10:45am *Registration is restricted to BMGT-Shady Grove majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) SGII 2042	

BMGT361 **Entrepreneurship: Starting and Managing the Entrepreneurial Venture**

BMGT361 Entrepreneurship: Starting and Managing the Entrepreneurial Venture; (3 credits) Grade Method: REG.
For BMGT majors only. Not open to students who have completed BMGT261 or BMGT461. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Formerly BMGT261. Focuses on the early development of a new venture. Topics include: idea-getting, opportunity recognition, feasibility studies, new venture financing and startup. Guests speakers and practicing entrepreneurs offer real world guidance. Restricted to students admitted to the Smith Entrepreneurship Fellows Program.

SG91	Oliver Schlake	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	SGII 3012	
	Registration is restricted to BMGT-Shady Grove Entrepreneirship majors with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT362 **Labor Relations**
Contact department for information to register for this course.

BMGT363 **Leadership in Organizations**

BMGT363 Leadership in Organizations; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BMGT363 or BMGT498D. Formerly BMGT498D. Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations.

FP01	Myeong-Gu Seo	Seats (Total: 30)	
	MW 2:00pm - 3:15pm	VMH 1412	
	Restricted to students in the Leadership Fellows Program (FPLF).		

BMGT364 **Management and Organization Theory**

BMGT364 Management and Organization Theory; (3 credits) Grade Method: REG.
The development of management and organization theory, nature of the management process and function and its future development. The role of the manager as an organizer and director, the communication process, goals and responsibilities. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT364N.

0101	Mark Wellman	Seats (Total: 32)	
	MW 12:30pm - 1:45pm	VMH 1212	
	F 9:00am - 10:50am	VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/04/2009 and the will meet every other Friday through 12/04/2009.		

0102	Mark Wellman	Seats (Total: 42)	
	MW 12:30pm - 1:45pm F 10:00am - 11:50am	VMH 1212 VMH 1335	Discussion
	The discussion for this section will begin meeting on 9/04/2009 and the will meet every other Friday through 12/04/2009.		
0103	Mark Wellman	Seats (Total: 42)	
	MW 12:30pm - 1:45pm F 11:00am - 12:50pm	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/04/2009 and the will meet every other Friday through 12/04/2009.		
0104	Mark Wellman	Seats (Total: 42)	
	MW 12:30pm - 1:45pm F 12:00pm - 1:50pm	VMH 1212 VMH 1335	Discussion
	The discussion for this section will begin meeting on 9/04/2009 and the will meet every other Friday through 12/04/2009.		
0105	Mark Wellman	Seats (Total: 42)	
	MW 12:30pm - 1:45pm F 1:00pm - 2:50pm	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/04/2009 and the will meet every other Friday through 12/04/2009.		
0201	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 9:00am - 10:50am	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/11/2009 and the will meet every other Friday through 12/11/2009.		
0202	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 10:00am - 11:50am	VMH 1212 VMH 1335	Discussion
	The discussion for this section will begin meeting on 9/11/2009 and the will meet every other Friday through 12/11/2009.		

0203	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 11:00am - 12:50pm	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/11/2009 and the will meet every other Friday through 12/11/2009.		
0204	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 12:00pm - 1:50pm	VMH 1212 VMH 1335	Discussion
	The discussion for this section will begin meeting on 9/11/2009 and the will meet every other Friday through 12/11/2009.		
0205	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 1:00pm - 2:50pm	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/11/2009 and the will meet every other Friday through 12/11/2009.		
SG91	Vijaya Venkataramani	Seats (Total: 60)	
	MW 8:00am - 9:15am	SG3 3241	
	Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG92	Vijaya Venkataramani	Seats (Total: 60)	
	MW 9:30am - 10:45am	SG3 3241	
	Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		
SG93	Vijaya Venkataramani	Seats (Total: 60)	
	MW 11:00am - 12:15pm	SG3 3241	
	Registration is restricted to BMGT-Shady Grove majors with fewer than 7 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT364N **Management and Organization Theory**

BMGT364N Management and Organization Theory; (3 credits) Grade Method: REG.
Restricted to agricultural and resource economics (0111C) and dietetics (1307D) majors with 53 credit hours completed.

0101	Mark Wellman MW 12:30pm - 1:45pm F 9:00am - 10:50am	Seats (Total: 10) VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 9/04/2009 and the will meet every other Friday through 12/4/2009.		

BMGT367 **Career Search Strategies in Business**

BMGT367 Career Search Strategies in Business; (1 credit) Grade Method: REG. *For BMGT majors only.* An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year. Restricted to BMGT students with 45 credit hours completed.

0101	Robert Raybits M 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528
0201	Alicia Downes Tu 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528
0301	Ericka Brown W 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528
0401	Dwight Anderson M 6:00pm - 6:50pm	Seats (Total: 115) VMH 1528
SG91	Gregory McElroy M 5:00pm - 5:50pm	Seats (Total: 100) SG3 3241
	Registration is restricted to BMGT-Shady Grove non-accounting majors (0503G, 0503E, 0503I & 0503M) with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Angelique Rutsch W 5:00pm - 5:50pm	Seats (Total: 85) SG3 3241
	Registration is restricted to BMGT-Shady Grove Accounting majors (0503A with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT370 **Introduction to Transportation**

BMGT370 Introduction to Transportation; (3 credits) Grade Method: REG.
An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy. Restricted to BMGT majors with 53 credit hourse completed

0201	Leland Gardner TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1335
0301	Leland Gardner TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1335

BMGT372 **Introduction to Logistics and Supply Chain Management**

BMGT372 Introduction to Logistics and Supply Chain Management; (3 credits) Grade Method: REG.
Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain. Restricted to BMGT majors with 53 credit hours completed.

0101	William McAdam TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1206
0201	Jeff Miller MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1336
0401	Richard Hutchins TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1206

0501	Jeff Miller MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1336

BMGT380 **Business Law I**

BMGT380 Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.

0101	Gideon Mark MW 9:30am - 10:45am	Seats (Total: 60) VMH 1330
0201	Gideon Mark MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1330
0301	William McClenahan TuTh 9:30am - 10:45am	Seats (Total: 60) VMH 1303
0401	Gideon Mark MW 11:00am - 12:15pm	Seats (Total: 60) VMH 1330
0501	William McClenahan TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1333
0601	Richard Daniels TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1333
0701	Alan Jacobs M 7:00pm - 9:40pm	Seats (Total: 50) VMH 1412
SG91	Brian Nelson MW 9:30am - 10:45am	Seats (Total: 60) SG3 4230
	Registration is restricted to BMGT-Shady Grove majors with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

SG92	Brian Nelson MW 11:00am - 12:15pm	Seats (Total: 60) SG3 4230
	Registration is restricted to BMGT-Shady Grove majors with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Brian Nelson MW 12:30pm - 1:45pm	Seats (Total: 60) SG3 4230
	Registration is restricted to BMGT-Shady Grove majors with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT380N **Business Law I**

BMGT380N Business Law I; (3 credits) Grade Method: REG.
Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

0101	Alan Jacobs M 7:00pm - 9:40pm	Seats (Total: 10) VMH 1412

BMGT381 **Business Law II**

BMGT381 Business Law II; (3 credits) Grade Method: REG.
Prerequisite: BMGT380 or permission of department. The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates. Restricted to BMGT majors with 63 credit hours completed.

0101	William McClenahan TuTh 3:30pm - 4:45pm	Seats (Total: 65) VMH 1528

BMGT385 **Operations Management**

BMGT385 Operations Management; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BMGT385 or ENME426. Studies the design, management and improvement of a firm's processes and systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm. Restricted to BMGT majors and Quest students with 53 credit hours completed.

0101	Wedad Elmaghraby MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1202
FP01	Wedad Elmaghraby MW 12:30pm - 1:45pm *Restricted to Business Process Fellows (FPBP).*	Seats (Total: 40) VMH 1202

BMGT390H **Systems Thinking for Managerial Decision Making**

BMGT390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT190H or ENES190H. For QUEST students only. Also offered as ENES390. Credit will be granted for only one of the following: BMGT390, BMGT498X, ENES390, or ENES498X. Formerly BMGT498X. Restricted to QUEST program students. Also offered as ENES390H.

0101	Jose Suarez M 7:00pm - 9:40pm	Seats (Total: 46) VMH 1330

BMGT392 **Introduction to International Business Management**

BMGT392 Introduction to International Business Management; (3 credits) Grade Method: REG.
Prerequisite: ECON200. A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management. Restricted to BMGT majors with 53 credit hours completed.

0101	Peter Morici TuTh 3:30pm - 4:45pm	Seats (Total: 42) VMH 1418

0201	Peter Morici	Seats (Total: 42)
	TuTh 5:00pm - 6:15pm	VMH 1418

BMGT398 **Individual Study in Business and Management**

BMGT398 *(PermReq)* **Individual Study in Business and Management; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT398C **Individual Study in Business and Management; Undergraduate Teaching Scholars Training**

BMGT398C *(PermReq)* **Individual Study in Business and Management: Undergraduate Teaching Scholars Training; (1 credit)** Grade Method: REG/P-F. Restricted to Accounting Teaching Scholars (FPTS).

0101	Gregory Pfeiffer	Seats (Total: 19)
	Contact instructor or department for details.	

BMGT398M **Individual Study in Business and Management; Practicum in Team Management**

BMGT398M Individual Study in Business and Management: Practicum in Team Management; (2 credits) Grade Method: REG.
Restricted to QUEST Program students.

0101	Nicole Coomber	Seats (Total: 16)
	M 5:00pm - 6:50pm	VMH 1411

BMGT402 **Database Systems**

BMGT402 Database Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Recommended: BMGT302. Introduction to basic concepts of database management systems. Relational databases, query languages and design will be covered. File-processing techniques are examined.
Restricted to BMGT majors with 72 credit hours completed.

0101	Peter Weiss	Seats (Total: 35)	
	Tu 7:00pm - 9:40pm	VMH 1415	
	Th 7:00pm - 8:00pm	VMH 1311	Lab

0201	Louiqa Raschid	Seats (Total: 30)	
	MW 3:30pm - 4:45pm	VMH 1311	
	M 4:45pm - 5:45pm	VMH 1311	Lab

BMGT403 **Systems Analysis and Design**

BMGT403 Systems Analysis and Design; (3 credits) Grade Method: REG. *Prerequisite: BMGT301 or equivalent. Recommended: BMGT302.* Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system. Restricted to BMGT majors with 72 credit hours completed.

0101	Hassan Ibrahim	Seats (Total: 40)
	MW 2:00pm - 3:15pm	VMH 1311
0201	Hassan Ibrahim	Seats (Total: 40)
	M 7:00pm - 9:40pm	VMH 1311

BMGT407 **Information Systems Projects**

BMGT407 Information Systems Projects; (3 credits) Grade Method: REG. *Prerequisite: BMGT402 and BMGT403 For Information Systems-Business majors only. Senior standing.* Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems. Restricted to Information Systems majors with 86 credit hours completed.

0101	Hassan Ibrahim	Seats (Total: 45)
	MW 11:00am - 12:15pm	VMH 1336

BMGT411 **Ethics and Professionalism in Accounting**

BMGT411 Ethics and Professionalism in Accounting; (3 credits) Grade Method: REG.

Prerequisite: BMGT311. For accounting majors only. 86 semester hours. Analysis and discussion of issues relating to ethics and professionalism in accounting. Restricted to Accounting majors with 86 credit hours completed.

0101	Stephen Loeb MW 12:30pm - 1:45pm	Seats (Total: 42) VMH 1307
0201	Nile Webb MW 2:00pm - 3:15pm	Seats (Total: 42) VMH 1307
0301	Stephen Loeb MW 3:30pm - 4:45pm	Seats (Total: 42) VMH 1307

BMGT417 **Taxation of Corporations, Partnerships and Estates**

BMGT417 Taxation of Corporations, Partnerships and Estates; (3 credits) Grade Method: REG.

Prerequisite: BMGT221. Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed. Restricted to Accounting majors with 84 credit hours completed.

0101	Eugene Cantor Tu 7:00pm - 9:40pm	Seats (Total: 40) VMH 1307
0201	Eugene Cantor W 7:00pm - 9:40pm	Seats (Total: 40) VMH 1202

BMGT422 **Auditing Theory and Practice**

BMGT422 Auditing Theory and Practice; (3 credits) Grade Method: REG.

Prerequisite: BMGT221. A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions. Restricted to accounting majors.

0101	James McKinney TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1411
0201	James McKinney TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1411
0301	James McKinney TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1336

BMGT424 **Advanced Accounting**

BMGT424 Advanced Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting. Restricted to accounting majors.

0101	Robert Kovarik TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1418
0201	Robert Kovarik TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1307

BMGT428C **Special Topics in Accounting; Research for the Professional Accountant**

BMGT428C Special Topics in Accounting: Research for the Professional Accountant; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Accounting Majors. Prerequisite: BMGT 310, Recommend: BMGT 311 and BMGT 323

0101	James McKinney TuTh 3:30pm - 4:45pm	Seats (Total: 30) VMH 1336

BMGT430 **Linear Statistical Models in Business**

BMGT430 Linear Statistical Models in Business; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 or BMGT231 or permission of department.* Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model. Restricted to BMGT majors with 84 credit hours completed OR those in the Quantitative Finance Fellows Program (FPQF).

0101	Francis Alt	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	VMH 1505

BMGT434 **Introduction to Optimization**

BMGT434 Introduction to Optimization; (3 credits) Grade Method: REG. *Prerequisite: MATH220 or MATH140; or equivalent. Recommended: MATH221 or MATH141. For BMGT majors only.* Introduces concepts and techniques of operations research to model and solve business decision problems, focusing on optimization and commercially available software tools. Models include linear programming, the transportation and assignment problems, network flow models, and non-linear programming. Emphasis is placed on analyzing business scenarios and formulating associated decision models. Restricted to BMGT majors and Quest students with 72 credit hours completed.

0101	Zhi-Long Chen	Seats (Total: 35)
	MW 2:00pm - 3:15pm	VMH 1202

BMGT435 **Business Process Simulation**

BMGT435 Business Process Simulation; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 or BMGT231 or equivalent. For BMGT majors only.* Develop and plan simulation studies, build simulation models with special purpose software, analyze and interpret the results. Extensive use of applications and real-world examples. The emphasis is on model formulation and the interpretation of results, rather than mathematical theory. Restricted to BMGT majors with 60 credits completed.

0101	Kazim Ruhi	Seats (Total: 40)
	MW 11:00am - 12:15pm	VMH 1528

BMGT440 **Advanced Financial Management**

BMGT440 Advanced Financial Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to BMGT majors with 84 credit hours completed.

0101	David Kass TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1335
0201	David Kass TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1330
0301	David Kass TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1330
0401	David Kass MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1335
0501	David Kass MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1335

BMGT443 **Applied Equity Analysis and Portfolio Management**

BMGT443 Applied Equity Analysis and Portfolio Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock. Restricted to BMGT majors with 84 credit hours completed.

0101	Joseph Perfetti MW 11:00am - 12:15pm	Seats (Total: 45) VMH 3505
0201	Joseph Perfetti MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 3505
0301	Joseph Perfetti MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 3505

BMGT444 **Futures and Options Contracts**

BMGT444 Futures and Options Contracts; (3 credits) Grade Method: REG. *Prerequisite: BMGT343. Credit will be granted for only one of the following: BMGT444 and MATH424.* The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options. Restricted to finance majors with 84 credit hours completed.

0101	Su Li MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1330
0201	Joseph Rinaldi MW 5:00pm - 6:15pm	Seats (Total: 40) VMH 1307

BMGT445 **Banking and Financial Institutions**

BMGT445 Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisites: BMGT340. Recommended: ECON330.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to finance majors with 84 credit hours completed.

0101	Ethan Cohen-Cole TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1330
0201	Ethan Cohen-Cole TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1330
0301	David Malmquist M 7:00pm - 9:40pm	Seats (Total: 45) VMH 1202

BMGT446 **International Finance**

BMGT446 International Finance; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm. Restricted to Finance majors and International Business with 72 credits completed.

0101	Aysun Alp MW 9:30am - 10:45am	Seats (Total: 45) VMH 1307
0201	Aysun Alp MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1307
0301	Anshuman Sinha TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1336
0401	Anshuman Sinha TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1336

BMGT448A **Special Topics in Finance; Fixed Income**

BMGT448A Special Topics in Finance: Fixed Income; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Finance majors with 72 credits completed. Prerequisite: BMGT340.

0101	Mark Taranto MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1412

BMGT449 **Investment Fund Management: Lemma Senbet Fund**

BMGT449 *(PermReq)* **Investment Fund Management: Lemma Senbet Fund; (3 credits)** Grade Method: REG.
Restricted to Lemma Senbet Fund Fellows (FPSF).

0101	Sarah Kroncke TuTh 1:00pm - 3:00pm	Seats (Total: 12) VMH 4534

BMGT450 **Integrated Marketing Communications**

BMGT450 Integrated Marketing Communications; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. For BMGT majors only. Credit will be granted for only one of the following: BMGT354 or BMGT450. Formerly BMGT354.* In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation. Restricted to BMGT majors with 60 credit hours completed.

0101	Katherine Boyle TuTh 9:30am - 10:45am	Seats (Total: 32) VMH 1415
0201	Katherine Boyle TuTh 2:00pm - 3:15pm	Seats (Total: 32) VMH 1307
FP01	Katherine Boyle TuTh 12:30pm - 1:45pm *Restricted to students in the Smith School's Sport Management and Music Management Fellows programs.*	Seats (Total: 40) VMH 1335

BMGT451 **Consumer Analysis**

BMGT451 Consumer Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221.* Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers. Restricted to marketing majors with 68 credit hours completed and general business majors with 84 credit hours completed.

0101	Mary Harms MW 9:30am - 10:45am	Seats (Total: 45) VMH 1418
0201	Marjorie Bonavia MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1336

BMGT452 **Marketing Research Methods**

BMGT452 Marketing Research Methods; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 and BMGT350.* Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results. Restricted to marketing majors with 72 credit hours completed.

0101	Diane Whitney TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1206
0201	Diane Whitney TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1206
0301	James Matherly MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1303
SG91	Mary Schoonmaker TuTh 12:30pm - 1:45pm	Seats (Total: 25) SGII 3062
	Registration is restricted to BMGT-Shady Grove marketing majors (0503M) with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT454 **Global Marketing**

BMGT454 Global Marketing; (3 credits) Grade Method: REG. *Prerequisite: BMGT350.* Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing. Restricted to BMGT majors with 72 credit hours completed.

0101	Amna Khawaja MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1303
SG91	Amna Khawaja TuTh 11:00am - 12:15pm	Seats (Total: 45) SG3 3219
	Registration is restricted to BMGT-Shady Grove marketing majors (0503M) with 86 credits. Other BMGT students may register by permission only. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

SG92	Amna Khawaja TuTh 12:30pm - 1:45pm	Seats (Total: 45) SG3 3219
	Registration is restricted to BMGT-Shady Grove International Business majors (0503I) with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT455 **Sales Management**

BMGT455 Sales Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices. Restricted to BMGT majors.

0101	David Godes TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1415

BMGT457 **Marketing Policies and Strategies**

BMGT457 Marketing Policies and Strategies; (3 credits) Grade Method: REG.
CORE Capstone (CS) Course.
Prerequisite: BMGT350. This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving. Restricted to marketing majors with 100 credit hours completed.

0101	Wendy Moe TuTh 11:00am - 12:15pm	Seats (Total: 32) VMH 1333
0201	Wendy Moe TuTh 9:30am - 10:45am	Seats (Total: 32) VMH 1333

BMGT458B **Special Topics in Marketing; Design Applications in Marketing and Branding**

BMGT458B Special Topics in Marketing: Design Applications in Marketing and Branding; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Design and Innovation in Marketing Fellows.

FP01	Ruth Lozner TuTh 12:30pm - 1:45pm	Seats (Total: 35) ASY 2322

BMGT461 **Entrepreneurship**

BMGT461 Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business. Restricted to BMGT majors with 72 credit hours completed. Non-majors should register for BMGT 461N.

0101	Oliver Schlake Tu 7:00pm - 9:40pm	Seats (Total: 20) VMH 1303
SG91	Oliver Schlake TuTh 2:00pm - 3:15pm	Seats (Total: 45) SG3 4212
	Registration is restricted to BMGT-Shady Grove non-Entrepreneurship majors (0503A, 0503I & 0503M) with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT461N **Entrepreneurship**

BMGT461N Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Open to all non-BMGT majors with 72 credit hours completed. BMGT majors should register for BMGT 461.

0101	Oliver Schlake Tu 7:00pm - 9:40pm	Seats (Total: 20) VMH 1303

BMGT463 **Cross-cultural Challenges in Business**

BMGT463 Cross-cultural Challenges in Business; (3 credits) Grade Method: REG. *For BMGT majors only.* Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures. Restricted to International Business majors (0503I) with 72 hours completed.

0101	Hui Liao M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1206
SG91	Debra Shapiro TuTh 12:30pm - 1:45pm	Seats (Total: 40) SGII 2042
	Registration is restricted to BMGT-Shady Grove Entrepreneurship majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Debra Shapiro TuTh 2:00pm - 3:15pm	Seats (Total: 40) SGII 2042
	Registration is restricted to BMGT-Shady Grove International Business majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT465 **Business Plan For The New Venture**

BMGT465 Business Plan For The New Venture; (3 credits) Grade Method: REG. *Prerequisite: BMGT361 or BMGT461.* Each student focuses on the production of a business plan that will be accepted for an annual business plan competition. Business plans of sufficient quality may be submitted to attract financing. Topics include a deep review of business construction and its derivative short forms.

SG91	Oliver Schlake TuTh 11:00am - 12:15pm	Seats (Total: 40) SGII 3052
	Registration is restricted to Entrepreneurship (0503E) business majors with 86 credits at Shady Grove. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT466 **Global Business Strategy**

BMGT466 Global Business Strategy; (3 credits) Grade Method: REG.
For BMGT majors only. Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network. Restricted to International Business majors (0503I) with 72 credit hours completed.

0101	Paulo Prochno	Seats (Total: 41)
	TuTh 11:00am - 12:15pm	VMH 1528

BMGT470 **Carrier Management**

BMGT470 Carrier Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT370. The study of the wide range of issues facing managers in transportation. This includes decisions on market entry, pricing, competitive responses, service levels, marketing strategies, capital structure, and growth objectives. Specific management decisions and overall strategies pursued by management are examined. Restricted to LTSCM majors.

0101	Thomas Corsi	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	VMH 3522

BMGT471 **Seminar in Supply Chain Management: An Executive Perspective**

BMGT471 Seminar in Supply Chain Management: An Executive Perspective; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. Formerly:BMGT488L and BMGT498L. Designed to provide students intensive interaction with senior supply chain executives from a cross-section of industries. Executives will share their insights about leading competitive supply chains in the global marketplace and assist students in understanding how to develop supply chain career strategies. Students will research the competitive supply chain dynamics of each executive's industry and review/analyze their findings with the executive.

FP01	Lisa Harrington	Seats (Total: 35)
	Tu 7:00pm - 9:40pm	VMH 1528
	Prerequisite: BMGT370. Resstricted to LTSCM Fellows only (FPLT).	

BMGT476 **Technology Applications in Supply Chain Management**

BMGT476 Technology Applications in Supply Chain Management; (3 credits) Grade Method: REG.

Prerequisite: BMGT372. An understanding of the role of technology in managing the supply chain. Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements. Restricted to LTSCM and Information Systems majors.

0101	Xiang Wan TuTh 11:00am - 12:15pm	Seats (Total: 24) VMH 3522

BMGT477 **International Supply Chain Management**

BMGT477 International Supply Chain Management; (3 credits) Grade Method: REG.

The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain. Restricted to LTSCM majors and International Business majors.

0101	Koki Nagata MW 12:30pm - 1:45pm	Seats (Total: 42) VMH 1303
0201	Koki Nagata MW 2:00pm - 3:15pm	Seats (Total: 42) VMH 1303

BMGT484 **Electronic Marketing**

BMGT484 Electronic Marketing; (3 credits) Grade Method: REG.

Prerequisite: BMGT350. For BMGT majors only. Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention devoted to the tools and techniques unique to the electronic media. Restricted to BMGT majors with 60 credit hours completed.

0101	Michael Trusov TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1311
0201	Michael Trusov TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1311
SG91	Michael Trusov TuTh 9:30am - 10:45am	Seats (Total: 30) SG3 2211
	Registration is restricted to BMGT-Shady Grove students with 86 credits Other BMGT students may register by permission only UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT485 **Project Management**

BMGT485 Project Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 or BMGT231; or equivalent. 72 semester hours. For BMGT majors only.* Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance. Restricted to BMGT majors and Quest students with 72 credit hours completed.

0101	Hassan Ibrahim MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1202
	Restricted to BMGT and QUEST students with 72 credits completed.	
FP01	Barnet Corwin TuTh 2:00pm - 3:15pm	Seats (Total: 38) VMH 1520
	Restricted to Business Process Fellows (FPBP) and Technology and Business Transformation Fellows (FPTT).	
FP02	Barnet Corwin Tu 7:00pm - 9:40pm	Seats (Total: 35) VMH 1335
	Restricted to Sports Management Fellows (FPSM) only.	

BMGT486 **Total Quality Management**

BMGT486 Total Quality Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or equivalent. Total Quality Management and the synergy required between functions to obtain the customer's quality demands. Statistical tools which are mandatory in any successful quality effort. Restricted to any Colllege Park student with 72 credit hours completed.

0101	Francis Alt	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	VMH 1518

BMGT487 **Six Sigma Innovation**

BMGT487 Six Sigma Innovation; (3 credits) Grade Method: REG.
Prerequisite: BMGT230, BMGT231, STAT400 or ENME392. Enhances the overall understanding of Six Sigma Strategy, Tools and Methods to positively influence the performance of a business process, a product or service. Highlights the application of Define-Measure-Analyze-Improve-Control (DMAIC),Design For Six Sigma (DFSS), and the pursuit of Critical to Quality criteria (CTQ's) in a collaborative perspective, one that recognizes a balance between efficiency, and effectiveness and between statistical analysis and statistical thinking. Restricted to any Colllege Park student with 72 credit hours completed.

0101	Francis Alt	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	VMH 1415

BMGT488A **Special Topics in Logistics, Business, and Public Policy; Introduction to Sport Management**

BMGT488A Special Topics in Logistics, Business, and Public Policy: Introduction to Sport Management; (3 credits) Grade Method: REG.
Restricted to Sports Management Fellows (FPSM).

FP01	Philip Evers	Seats (Total: 32)
	Tu 7:00pm - 9:40pm	VMH 1330
	Restricted to students in the Smith School's Sport Management Fellows (FPSM).	

BMGT488B **Special Topics in Logistics, Business, and Public Policy; Executive Seminar in Music Management**

BMGT488B Special Topics in Logistics, Business, and Public Policy: Executive Seminar in Music Management; (3 credits) Grade Method: REG.
Restricted to Music Management Fellows.

FP01	Hugh Turner Tu 7:00pm - 9:40pm *Restricted to students in the Smith School's Music Management Fellows Program (FPMM).*	Seats (Total: 32) VMH 1333

BMGT490H **Quest Consulting and Innovation Practicum**

BMGT490H Quest Consulting and Innovation Practicum; (4 credits) Grade Method: REG.
Prerequisite: BMGT390 or ENES390. Also offered as ENES490. Credit will be granted for only one of the following: BMGT490 or ENES490. Restricted to Quest Program students.

0101	Joseph Bailey, David Ashley TuTh 5:00pm - 6:15pm Contact instructor or department for details.	Seats (Total: 80) VMH 1212

BMGT493H **Honors Study**

BMGT493H *(PermReq)* **Honors Study; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Restricted to BMGT Honors students.

0101	Charles Olson M 3:30pm - 6:10pm	Seats (Total: 65) VMH 1511

BMGT495 **Business Policies**

BMGT495 Business Policies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: BMGT340; and BMGT350; and BMGT364. For BMGT majors only. A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise. Restricted to BMGT seniors with 100 credit hours completed.

0201	David Kressler MW 9:30am - 10:45am	Seats (Total: 32) VMH 1314
0301	Rhonda Reger TuTh 12:30pm - 1:45pm	Seats (Total: 32) VMH 1314

0401	Rhonda Reger TuTh 2:00pm - 3:15pm	Seats (Total: 32) VMH 1314
0501	James Spina MW 2:00pm - 3:15pm	Seats (Total: 32) VMH 1314
0601	James Spina MW 3:30pm - 4:45pm	Seats (Total: 32) VMH 1314
0701	W Knight TuTh 9:30am - 10:45am	Seats (Total: 32) VMH 1314
0801	W Knight TuTh 11:00am - 12:15pm	Seats (Total: 32) VMH 1314

BMGT496 **Business Ethics and Society**

BMGT496 Business Ethics and Society; (3 credits) Grade Method: REG.
Prerequisite: one course in BMGT; or permission of department. A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment. Restricted to students with 53 credits completed.

0101	Brian Nelson TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1412

BMGT498B **Special Topics in Business and Management; Design in Marketing**

BMGT498B Special Topics in Business and Management: Design in Marketing; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to BMGT majors with 60 credits. Design in marketing explores how businesses and organizations use design as a strategic competitive advantage. Students will increase their visual and design literacy while learning basic design and business terminology that will allow them to better communicate with creatives in their work environment. Students are exposed to career paths in integrated marketing communications, branding, product and package design, web design, and retail design. Students also learn ways to nurture creativity and critical thinking skills.

0101	Mary Harms	Seats (Total: 30)
	MW 11:00am - 12:15pm	VMH 1418
	Not open to students in Design and Innovation in Marketing Fellows Prog am.	

BMGT808C **Doctoral Seminar; Data Mining, Pricing and Optimization**

BMGT808C Doctoral Seminar: Data Mining, Pricing and Optimization; (3 credits)
Grade Method: REG/AUD.
Prerequisites: STAT700-01, STAT740-41, BMGT881. Strong computing skills; mastering of a statistical programming package (e.g. SAS, R).

0101	Wolfgang Jank	Seats (Total: 12)
	W 2:00pm - 4:40pm	VMH 2509

BMGT808D **Doctoral Seminar; Decision Making**

BMGT808D Doctoral Seminar: Decision Making; (3 credits) Grade Method: REG/AUD.

0101	Cynthia Stevens	Seats (Total: 12)
	Tu 1:00pm - 3:40pm	VMH 2509

BMGT808E **Doctoral Seminar; Advanced Operations Management**

BMGT808E Doctoral Seminar: Advanced Operations Management; (3 credits)
Grade Method: REG/AUD.

0101	Wedad Elmaghraby	Seats (Total: 20)
	F 10:00am - 12:40pm	VMH 3509

BMGT808G **Doctoral Seminar; Applied Microeconomics**

BMGT808G Doctoral Seminar: Applied Microeconomics; (3 credits) Grade Method: REG.
Prerequisite: Permission of Instructor.

0101	Kislaya Prasad	Seats (Total: 12)
	Th 10:00am - 12:40pm	VMH 2509

BMGT808I **Doctoral Seminar; Social and Behavioral Research in Information Systems**

BMGT808I Doctoral Seminar: Social and Behavioral Research in Information Systems; (3 credits) Grade Method: REG.
Prerequisite: Permission of Instructor.

0101	Katherine Stewart	Seats (Total: 12)
	Tu 10:30am - 1:10pm	VMH 4440

BMGT808J **Doctoral Seminar; Marketing Models in MCMC**

BMGT808J Doctoral Seminar: Marketing Models in MCMC; (3 credits) Grade Method: REG/AUD.

0101	Michel Wedel	Seats (Total: 12)
	Th 1:00pm - 3:40pm	VMH 4335

BMGT808M **Doctoral Seminar; Transportation Economics**

BMGT808M Doctoral Seminar: Transportation Economics; (3 credits) Grade Method: REG/AUD.

0101	Robert Windle	Seats (Total: 12)
	M 9:00am - 11:40am	VMH 3332

BMGT808O **Doctoral Seminar; Current Research in Information Systems**

BMGT808O Doctoral Seminar: Current Research in Information Systems; (3 credits) Grade Method: REG/AUD.

0101	Ritu Agarwal, Sunil Mithas, Il-Horn Hann	Seats (Total: 10)
	M 1:00pm - 3:40pm	VMH 3330H

BMGT808P **Doctoral Seminar; Scope and the Enterprise**

BMGT808P Doctoral Seminar: Scope and the Enterprise; (3 credits) Grade Method: REG/AUD.

0101	Anil Gupta	Seats (Total: 12)
	M 1:00pm - 3:40pm	VMH 4535

BMGT808V **Doctoral Seminar; Theory and Models for Financial Accounting**

BMGT808V Doctoral Seminar: Theory and Models for Financial Accounting; (3 credits) Grade Method: REG/AUD.

0101	Oliver Kim	Seats (Total: 12)
	M 1:30pm - 4:10pm	VMH 3332

BMGT808W **Doctoral Seminar; Experimental Methods for Behavioral Research**

BMGT808W Doctoral Seminar: Experimental Methods for Behavioral Research; (3 credits) Grade Method: REG/AUD.

0101	Rebecca Hamilton	Seats (Total: 12)
	F 1:00pm - 3:40pm	VMH 3330H

BMGT808X **Doctoral Seminar; Advanced Analytical Methods in Management**

BMGT808X Doctoral Seminar: Advanced Analytical Methods in Management; (3 credits) Grade Method: REG/AUD.

0101	Gilad Chen	Seats (Total: 12)
	W 1:00pm - 3:40pm	VMH 4534

BMGT828 **Independent Study in Business and Management**

BMGT828 Independent Study in Business and Management; (1-9 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT828A **Independent Study in Business and Management; Financial Research Methods**

BMGT828A Independent Study in Business and Management: Financial Research Methods; (1 credit) Grade Method: REG.
Prerequisite: Permission of instructor.

0101	Nagpurnanand Prabhala	Seats (Total: 12)
	Th 8:45am - 10:45am	VMH 2330

BMGT828C **Independent Study in Business and Management; Workshop in Supply Chain Management**

BMGT828C Independent Study in Business and Management: Workshop in Supply Chain Management; (1 credit) Grade Method: REG/AUD.

0101	Martin Dresner	Seats (Total: 8)
	M 3:45pm - 5:15pm	VMH 2509

BMGT828D **Independent Study in Business and Management; Cross Disciplinary Workshop in Strategy and Entrepreneurship**

BMGT828D Independent Study in Business and Management: Cross Disciplinary Workshop in Strategy and Entrepreneurship; (1 credit) Grade Method: REG/AUD.

0101	Rachelle Sampson, David Waguespack	Seats (Total: 12)
	Th 9:30am - 12:15pm	VMH 3330H

BMGT828E **Independent Study in Business and Management; Career and Professionalization Workshop in Management and Organization**

BMGT828E Independent Study in Business and Management: Career and Professionalization Workshop in Management and Organization; (1 credit) Grade Method: REG/AUD.

Course is required for all first Phd students enrolled in OB, HR and Strategy doctoral programs. section is team taught by Hui Liao and Brent Goldfarb. Course will meet periodically at the time indicated.

0101	Hui Liao, Brent Goldfarb	Seats (Total: 30)
	Th 10:00am - 12:40pm	Location: TBA

BMGT828F **Independent Study in Business and Management; Workshop in Finance Research**

BMGT828F Independent Study in Business and Management: Workshop in Finance Research; (1 credit) Grade Method: REG/AUD.

0101	Georgios Skoulakis	Seats (Total: 12)
	F 9:00am - 12:00pm	VMH 1333

BMGT828G **Independent Study in Business and Management; Marketing Research Seminar**

BMGT828G Independent Study in Business and Management: Marketing Research Seminar; (1 credit) Grade Method: REG/AUD.

0101	Yogesh Joshi	Seats (Total: 16)
	F 10:30am - 12:00pm	VMH 1202

BMGT828J **Independent Study in Business and Management; Research Seminar in Decision, Operations and Information Technologies**

BMGT828J Independent Study in Business and Management: Research Seminar in Decision, Operations and Information Technologies; (1 credit) Grade Method: REG/AUD.

0101	Wedad Elmaghraby, Katherine Stewart	Seats (Total: 30)
	F 2:00pm - 3:30pm	VMH 1335

BMGT828M **Independent Study in Business and Management; Research on Mathematical Finance**

BMGT828M Independent Study in Business and Management: Research on Mathematical Finance; (2 credits) Grade Method: REG/AUD.

0101	Dilip Madan	Seats (Total: 10)
	Tu 5:00pm - 6:00pm Contact instructor or department for details.	VMH 3330H

BMGT830 **Operations Research: Linear Programming**

BMGT830 Operations Research: Linear Programming; (3 credits) Grade Method: REG.

Prerequisites: MATH 240 or equivalent; or permission of department. Concepts and applications of linear programming models, theoretical development of the simplex algorithm, and primal-dual problems and theory.

0101	Subramanian Raghavan	Seats (Total: 26)
	MW 11:00am - 12:15pm	VMH 1415

BMGT834 **Operations Research: Probabilistic Models**

BMGT834 Operations Research: Probabilistic Models; (3 credits) Grade Method: REG/AUD.
Prerequisites: {MATH 241; and STAT 400 or equivalent} or permission of department. Theoretical foundations for the construction, optimization, and applications of probabilistic models. Queuing theory, inventory theory, Markov processes, renewal theory, and stochastic linear programming.

0101	Michael Fu	Seats (Total: 35)
	Th 3:30pm - 6:10pm	VMH 1415

BMGT835 **Simulation of Discrete-Event Systems**

BMGT835 Simulation of Discrete-Event Systems; (3 credits) Grade Method: REG/AUD.
Prerequisites: Knowledge of Fortran, Basic, C, or Pascal; and BMGT 630 or equivalent. Simulation modeling and analysis of stochastic discrete-event systems such as manufacturing systems, inventory control systems, and computer/ communications networks.

0101	Michael Fu	Seats (Total: 30)
	F 3:30pm - 6:10pm	VMH 1415

BMGT840 **Seminar in Financial Theory**

BMGT840 Seminar in Financial Theory; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Seminar in selected classic and current theoretical and empirical research in the foundations of finance.

0101	Gerard Hoberg	Seats (Total: 24)
	Tu 9:00am - 11:40am	VMH 3330H

BMGT863 **Work Morale and Motivation**

BMGT863 Work Morale and Motivation; (3 credits) Grade Method: REG/AUD.
Prerequisite: BMGT 660 or equivalent. Seminar on major theories of work motivation and job satisfaction.

0101	Kathryn Bartol	Seats (Total: 12)
	M 1:00pm - 3:40pm	VMH 4534

BMGT883 **Scientific Data-Collection for Business**

BMGT883 Scientific Data-Collection for Business; (3 credits) Grade Method: REG/AUD.
Data collection methods for academic research with an emphasis on a Web environment. Designing and executing surveys, collecting web data, and designing and analyzing experiments. Discussion of ethics, statistical theory, practical considerations, and technical issues.

0101	Galit Shmueli	Seats (Total: 12)
	W 1:00pm - 3:40pm	VMH 3509

BMGT898 **Pre-Candidacy Research**

BMGT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

BMGT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI Biological Sciences Program Fall 2009

BSCI103 **The World of Biology**

BSCI courses are offered by the Biological Science Program and individual College of Chemical and Life Sciences departments, as indicated.

The sponsoring department for each course is provided in the course listing. Consult the sponsoring department if you have questions about an individual course (sponsoring departments BIOL - Department of Biology, 2227 Biol-Psyc Building; BSCI - Biological Sciences Program, 1322 Symons Hall; CBMG - Department of Cell Biology and Molecular Genetics, 1219 H.J. Patterson Building, ENTM - Entomology, 4112 PLS Building).

Registration of BSCI course sections which begin with "SEF*" is restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Life Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to consult the instructor prior to course enrollment to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Lab start dates will be posted on the Life Sciences Web Page. www.chemlife.umd.edu

BSCI103 The World of Biology; (4 credits) Grade Method: REG. CORE Life Science Lab (LL) Course.

Formerly: BIOL101 and BIOL102. An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences. (Sponsoring Dept.: BSCI). For non-science majors general education credit. Students must pay a $40 laboratory materials fee.

1003	Joelle Presson TuTh 3:30pm - 4:45pm M 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1105	 Lab
1004	Joelle Presson TuTh 3:30pm - 4:45pm M 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 1105	 Lab

1005	Joelle Presson TuTh 3:30pm - 4:45pm Tu 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1105	 Lab
1006	Joelle Presson TuTh 3:30pm - 4:45pm Tu 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1105	 Lab
1007	Joelle Presson TuTh 3:30pm - 4:45pm Tu 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 1105	 Lab

BSCI103M **The World of Biology**

BSCI103M *(PermReq)* **The World of Biology; (4 credits)** Grade Method: REG. CORE Life Science Lab (LL) Course.
Formerly: BIOL101 and BIOL102. (Sponsoring Dept.: BSCI). BSCI103M is intended for students repeating BSCI103 and who have an 80% or higher grade in the BSCI103 lab in their previous attempt. In BSCI103M students retake the lecture portion of the course only. The lab grade from the previous attempt is used in calculation of the BSCI103M grade. The previous attempt must be within 12 months of registration for BSCI103M.

0101	Joelle Presson TuTh 3:30pm - 4:45pm	Seats (Total: 5) MMH 1400	

BSCI105 **Principles of Biology I**

BSCI105 Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Formerly BIOL105. Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

5015	Judd Nelson MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 23) PHY 1410 HJP 1235	 Lab

5016	Judd Nelson MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 23) PHY 1410 HJP 1236	Lab
5031	Judd Nelson MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) PHY 1410 HJP 1235	Lab
5032	Judd Nelson MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 23) PHY 1410 HJP 1236	Lab
5050	Judd Nelson MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) PHY 1410 HJP 1226	Lab
5051	Judd Nelson MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) PHY 1410 HJP 1235	Lab
5066	Judd Nelson MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 23) PHY 1410 HJP 1236	Lab
5120	Richard Stewart MWF 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1226	Lab
5124	Richard Stewart MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1226	Lab
5126	Richard Stewart MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1236	Lab
5130	Richard Stewart MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1226	Lab

5146	Richard Stewart MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5156	Richard Stewart MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5165	Richard Stewart MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5212	John O'Connor TuTh 8:00am - 9:15am M 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5236	John O'Connor TuTh 8:00am - 9:15am Tu 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5241	John O'Connor TuTh 8:00am - 9:15am W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5244	John O'Connor TuTh 8:00am - 9:15am W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5252	John O'Connor TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5270	John O'Connor TuTh 8:00am - 9:15am Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5271	John O'Connor TuTh 8:00am - 9:15am Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab

5310	Anne Simon MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5311	Anne Simon MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1235	 Lab
5314	Anne Simon MWF 10:00am - 10:50am M 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5332	Anne Simon MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5355	Anne Simon MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 23) HJP 0226 HJP 1235	 Lab
5360	Anne Simon MWF 10:00am - 10:50am Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5364	Anne Simon MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5372	Anne Simon MWF 10:00am - 10:50am Th 2:00pm - 4:40pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
SEF1	James Sniezek Th 6:00pm - 9:00pm Tu 6:00pm - 9:00pm *This section is intended for students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.*	Seats (Total: 24) HBK 0115 HJP 1226	 Lab

BSCI105M **Principles of Biology I**

BSCI105M *(PermReq)* **Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Formerly BIOL105. (Sponsoring Dept.: BSCI). BSCI105M is intended for students repeating BSCI105 and who have an 80% or higher grade in the BSCI105 lab in their previous attempt. In BSCI105M students retake the lecture portion of the course only. The lab grade from the previous attempt is used in calculation of the BSCI105M grade. The previous attempt must be within 12 months of registration for BSCI105M.

5191	Richard Stewart MWF 10:00am - 10:50am	Seats (Total: 5) BRB 1101	
5292	John O'Connor TuTh 8:00am - 9:15am	Seats (Total: 5) BRB 1101	
5393	Anne Simon MWF 10:00am - 10:50am	Seats (Total: 5) HJP 0226	

BSCI106 **Principles of Biology II**

BSCI106 Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

6115	Sara Via MWF 11:00am - 11:50am M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6126	Sara Via MWF 11:00am - 11:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6127	Sara Via MWF 11:00am - 11:50am Tu 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab

6142	Sara Via MWF 11:00am - 11:50am Th 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6145	Sara Via MWF 11:00am - 11:50am Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6146	Sara Via MWF 11:00am - 11:50am Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6151	Sara Via MWF 11:00am - 11:50am F 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6152	Sara Via MWF 11:00am - 11:50am F 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6223	Sara Via MWF 2:00pm - 2:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6224	Sara Via MWF 2:00pm - 2:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6238	Sara Via MWF 2:00pm - 2:50pm W 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6244	Sara Via MWF 2:00pm - 2:50pm Th 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6325	Jeffrey Jensen MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 2103	 Lab

6334	Jeffrey Jensen MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 2104	Lab
6343	Jeffrey Jensen MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 2103	Lab

BSCI106C **Principles of Biology II**

BSCI106C Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. (Sponsoring Dept.: BSCI). Restricted to new freshman and new transfer students in the College of Chemical and Life Sciences.

6116	Sara Via MWF 11:00am - 11:50am M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 2104	Lab
6135	Sara Via MWF 11:00am - 11:50am W 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 2103	Lab
6137	Sara Via MWF 11:00am - 11:50am W 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 2103	Lab
6221	Sara Via MWF 2:00pm - 2:50pm Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 2103	Lab
6231	Sara Via MWF 2:00pm - 2:50pm W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 2103	Lab
6241	Sara Via MWF 2:00pm - 2:50pm Th 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 2103	Lab

6314	Jeffrey Jensen MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 2104	 Lab
6318	Jeffrey Jensen MWF 9:00am - 9:50am M 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 2104	 Lab
6328	Jeffrey Jensen MWF 9:00am - 9:50am Tu 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 2104	 Lab
6336	Jeffrey Jensen MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 2104	 Lab
6348	Jeffrey Jensen MWF 9:00am - 9:50am Th 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 2104	 Lab

BSCI106H **Principles of Biology II**

BSCI106H Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106.

6211	Sara Via MWF 2:00pm - 2:50pm M 8:00am - 10:50am	Seats (Total: 21) BRB 1101 HJP 2103	 Lab
6313	Jeffrey Jensen MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 20) HJP 0226 HJP 2103	 Lab

BSCI106M **Principles of Biology II**

BSCI106M *(PermReq)* **Principles of Biology II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. (Sponsoring Dept.: BSCI). BSCI 106 must be taken within twelve months of the semester in which BSCI 106M is taken. A student is eligible to take this course only if the lab scores received in BSCI 106 the last time it was taken totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 106M.

6160	Sara Via MWF 11:00am - 11:50am	Seats (Total: 5) BRB 1101	
6260	Sara Via MWF 2:00pm - 2:50pm	Seats (Total: 5) BRB 1101	

BSCI106S **Principles of Biology II**

BSCI106S Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. (Sponsoring Dept.: BSCI). Restricted to College Park Scholars - Life Sciences.

6132	Sara Via MWF 11:00am - 11:50am W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 2104	 Lab
6217	Sara Via MWF 2:00pm - 2:50pm M 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6233	Sara Via MWF 2:00pm - 2:50pm W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab

BSCI106U **Principles of Biology II**

BSCI106U Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106.

6122	Sara Via MWF 11:00am - 11:50am Tu 8:00am - 10:50am	Seats (Total: 0) BRB 1101 HJP 2104	Lab
6147	Sara Via MWF 11:00am - 11:50am Th 5:00pm - 7:50pm	Seats (Total: 0) BRB 1101 HJP 2103	Lab

BSCI120 **Insects**

BSCI120 Insects; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Formerly ENTM100. A survey of the major groups of insects, their natural history, and their relationships with humans and their environment. Course not acceptable toward major requirements in the College of Chemical and Life Sciences. (Sponsoring Dept.: ENTM).

0101	Earlene Armstrong TuTh 9:30am - 10:20am Tu 11:00am - 11:50am	Seats (Total: 24) JMP 3201 PLS 1161	Discussion
0102	Earlene Armstrong TuTh 9:30am - 10:20am Tu 12:00pm - 12:50pm	Seats (Total: 24) JMP 3201 PLS 1161	Discussion
0103	Earlene Armstrong TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 24) JMP 3201 PLS 1161	Discussion
0104	Earlene Armstrong TuTh 9:30am - 10:20am Th 12:00pm - 12:50pm	Seats (Total: 24) JMP 3201 PLS 1161	Discussion
0105	Earlene Armstrong TuTh 9:30am - 10:20am Th 1:00pm - 1:50pm	Seats (Total: 24) JMP 3201 PLS 1161	Discussion

BSCI121 **Beekeeping**

BSCI121 Beekeeping; (2 credits) Grade Method: REG/P-F/AUD.
Formerly ENTM111. First semester. A study of the life history, behavior and seasonal activities of the honeybee, its place in pollination of flowers with emphasis on plants of economic importance and bee lore in literature. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences. (Sponsoring Dept.: ENTM).

0101	John Hellman	Seats (Total: 24)
	TuTh 9:30am - 10:30am	PLS 1146

BSCI124 **Plant Biology for Non-Science Students**

BSCI124 Plant Biology for Non-Science Students; (3 credits) Grade Method: REG/P-F/AUD.
CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125. For non-science majors only. Not open to students who have completed BSCI105/BIOL105. Formerly PBIO100. A basic course in plant biology specifically designed for the non-science student. Emphasis is placed on an evolutionary and ecological approach to studying fundamental concepts and processes of plants, their place in the biosphere, the importance of plants to man, and the manner in which humans impact on plants and their environment. This course will not count toward graduation requirements for any student in the College of Chemistry and Life Sciences or the College of Agriculture and Natural Resources. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI125.

2001	Edgar Moctezuma	Seats (Total: 160)
	TuTh 9:30am - 10:45am	HJP 0226

BSCI125 **Plant Biology Laboratory**

BSCI125 Plant Biology Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Corequisite: 124. For non-science majors only. Not open to students who have completed BSCI105. Credit will be granted for only one of the following: BSCI105 or BSCI125. Formerly PBIO101.* An introduction to the biology of plants with emphasis on the processes by which plants function, the diversity of plants, and the importance of plants to humans. This course will not count toward graduation requirements for any student in the College of Chemistry and Life Sciences or the College of Agriculture and Natural Resources. CORE Lab Science. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Students must pay a $40.00 laboratory materials fee.

1104	Edgar Moctezuma M 12:30pm - 2:30pm	Seats (Total: 23) HJP 3127	Lab
1107	Edgar Moctezuma Tu 12:00pm - 2:00pm	Seats (Total: 23) HJP 3104	Lab
1108	Edgar Moctezuma Tu 12:00pm - 2:00pm	Seats (Total: 23) HJP 3127	Lab
1114	Edgar Moctezuma W 12:30pm - 2:30pm	Seats (Total: 23) HJP 3127	Lab
1115	Edgar Moctezuma W 3:00pm - 5:00pm	Seats (Total: 23) HJP 3104	Lab
1116	Edgar Moctezuma W 3:00pm - 5:00pm	Seats (Total: 23) HJP 3127	Lab
1117	Edgar Moctezuma Th 12:00pm - 2:00pm	Seats (Total: 23) HJP 3104	Lab

BSCI201 **Human Anatomy and Physiology I**

BSCI201 Human Anatomy and Physiology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105 or equivalent. Formerly ZOOL201. Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences. Not acceptable for credit in any Biological Sciences major. (Sponsoring Dept.: BIOL). Students must pay a $40.00 laboratory materials fee.

0101	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0102	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0103	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0104	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0105	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0106	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0107	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0108	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab

0109	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0110	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0111	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0112	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0113	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0114	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0115	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0116	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0117	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0118	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab

0202	Tammatha O'Brien MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 24) ASY 2203 BPS 0201	 Lab
0205	Tammatha O'Brien MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 24) ASY 2203 BPS 0201	 Lab
0206	Tammatha O'Brien MWF 12:00pm - 12:50pm Tu 2:00pm - 4:50pm	Seats (Total: 24) ASY 2203 BPS 0201	 Lab
0208	Tammatha O'Brien MWF 12:00pm - 12:50pm W 1:00pm - 3:50pm	Seats (Total: 24) ASY 2203 BPS 0201	 Lab
0209	Tammatha O'Brien MWF 12:00pm - 12:50pm W 4:00pm - 6:50pm	Seats (Total: 24) ASY 2203 BPS 0201	 Lab
0211	Tammatha O'Brien MWF 12:00pm - 12:50pm Th 2:00pm - 4:50pm	Seats (Total: 24) ASY 2203 BPS 0201	 Lab

BSCI205 **Environmental Science**

BSCI205 Environmental Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Formerly PBIO235. Basic ecological principles as they relate to the ecological dilemmas of overpopulation, pollution, increasing consumption of natural resources, and deteriorating land use ethics facing mankind today. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences. (Sponsoring Dept.: BIOL).

FC01	Penelope Koines M 3:00pm - 4:15pm W 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) HJP 2242 HJP 1229	

BSCI206 **Chesapeake: A Living Resource**

BSCI206 Chesapeake: A Living Resource; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Credit will be granted for only one of the following: BSCI206 or BSCI373. Formerly PBIO255. The living resources of the Chesapeake Bay from an ecosystem perspective. Designed for non-science majors, it will acquaint students with the Bay's watershed, its physical environment, and its living organisms, with an emphasis on the connections between these factors. Understanding the relationships between physical, chemical and biological processes will equip students to comprehend and appreciate the remarkable productivity of our estuary, as well as provide them with the knowledge needed to protect the Bay. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences.

FC01	Penelope Koines TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) CHM 1228

BSCI207 **Principles of Biology III - Organismal Biology**

BSCI207 Principles of Biology III - Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and BSCI106. Pre- or corequisite: CHEM103 or CHEM131; or equivalent. Credit will be granted for only one of the following: BSCI207 or BSCI279D. The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.

0101	Jeffrey Shultz, Charles Delwiche MW 4:00pm - 5:15pm	Seats (Total: 230) BRB 1101
0201	William Higgins, William Jeffery MWF 11:00am - 11:50am	Seats (Total: 250) PHY 1412

BSCI222 **Principles of Genetics**

BSCI222 Principles of Genetics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {BSCI105 and BSCI106 and (CHEM131 and CHEM132)} or {BSCI105 and two semesters of chemistry}. Credit will be granted for only one of the following: BIOL222 or BSCI222. Formerly BIOL222. Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms. (Sponsoring Dept.: BSCI).

2120	Patricia Shields MWF 1:00pm - 1:50pm M 8:00am - 9:50am	Seats (Total: 20) BRB 1101 PLS 1168	Discussion
2121	Patricia Shields MWF 1:00pm - 1:50pm M 10:00am - 11:50am	Seats (Total: 20) BRB 1101 PLS 1158	Discussion
2122	Patricia Shields MWF 1:00pm - 1:50pm M 5:00pm - 6:50pm	Seats (Total: 20) BRB 1101 PLS 1146	Discussion
2123	Patricia Shields MWF 1:00pm - 1:50pm Tu 8:00am - 9:50am	Seats (Total: 20) BRB 1101 PLS 1168	Discussion
2124	Patricia Shields MWF 1:00pm - 1:50pm Tu 10:00am - 11:50am	Seats (Total: 20) BRB 1101 PLS 1164	Discussion
2125	Patricia Shields MWF 1:00pm - 1:50pm Tu 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 PLS 1164	Discussion
2127	Patricia Shields MWF 1:00pm - 1:50pm W 8:00am - 9:50am	Seats (Total: 20) BRB 1101 PLS 1115	Discussion
2130	Patricia Shields MWF 1:00pm - 1:50pm W 10:00am - 11:50am	Seats (Total: 20) BRB 1101 PLS 1162	Discussion
2132	Patricia Shields MWF 1:00pm - 1:50pm W 5:00pm - 6:50pm	Seats (Total: 20) BRB 1101 PLS 1164	Discussion
2135	Patricia Shields MWF 1:00pm - 1:50pm Th 10:00am - 11:50am	Seats (Total: 20) BRB 1101 PLS 1168	Discussion

2137	Patricia Shields MWF 1:00pm - 1:50pm Th 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 PLS 1164	Discussion
2211	Thomas Kocher TuTh 11:00am - 12:15pm M 12:00pm - 1:50pm	Seats (Total: 20) HJP 0226 PLS 1168	Discussion
2215	Thomas Kocher TuTh 11:00am - 12:15pm Tu 2:00pm - 3:50pm	Seats (Total: 20) HJP 0226 PLS 1168	Discussion
2221	Thomas Kocher TuTh 11:00am - 12:15pm Tu 4:00pm - 5:50pm	Seats (Total: 20) HJP 0226 PLS 1168	Discussion
2231	Thomas Kocher TuTh 11:00am - 12:15pm Tu 6:00pm - 7:50pm	Seats (Total: 20) HJP 0226 PLS 1172	Discussion
2251	Thomas Kocher TuTh 11:00am - 12:15pm W 12:00pm - 1:50pm	Seats (Total: 20) HJP 0226 PLS 1168	Discussion
2261	Thomas Kocher TuTh 11:00am - 12:15pm W 7:00pm - 8:50pm	Seats (Total: 20) HJP 0226 PLS 1158	Discussion
2265	Thomas Kocher TuTh 11:00am - 12:15pm Th 2:00pm - 3:50pm	Seats (Total: 20) HJP 0226 PLS 1146	Discussion
2267	Thomas Kocher TuTh 11:00am - 12:15pm Th 4:00pm - 5:50pm	Seats (Total: 20) HJP 0226 BPS 1232	Discussion

BSCI223 General Microbiology

BSCI223 General Microbiology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105. Credit will be granted for only one of the following: BSCI122 or BSCI223. Formerly MICB200. Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology. (Sponsoring Dept.: CBMG). Students must pay a $40.00 laboratory materials fee.

1101	Sandra Fox-Moon TuTh 9:30am - 10:20am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1106	Sandra Fox-Moon TuTh 9:30am - 10:20am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1201	Sandra Fox-Moon TuTh 9:30am - 10:20am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1221	Sandra Fox-Moon TuTh 9:30am - 10:20am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1225	Sandra Fox-Moon TuTh 9:30am - 10:20am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1301	Sandra Fox-Moon TuTh 9:30am - 10:20am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1321	Sandra Fox-Moon TuTh 9:30am - 10:20am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
2105	Ann Smith TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1205	Lab

2121	Ann Smith TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1201	 Lab
2125	Ann Smith TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1205	 Lab
2126	Ann Smith TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
2205	Ann Smith TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1205	 Lab
2206	Ann Smith TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
2226	Ann Smith TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
2306	Ann Smith TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
2325	Ann Smith TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	 Lab
SEF1	Keith Lampel TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm *This section is intended for students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.*	Seats (Total: 18) MCB 1207 MCB 1201	 Lab

BSCI258 **College Park Scholars Internship; College Park Scholars Internship**

BSCI258 College Park Scholars Internship: College Park Scholars Internship; (1-3 credits) Grade Method: REG/P-F/AUD.

8005	Rebecca Kenemuth, Reid Compton	Seats (Total: 55)
	Contact instructor or department for details.	

BSCI279 **Supplemental Study; Supplemental Study in Biology**

BSCI279 *(PermReq)* **Supplemental Study: Supplemental Study in Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI279B **Supplemental Study; Strategies for Success in Chemical and Life Sciences**

BSCI279B *(PermReq)* **Supplemental Study: Strategies for Success in Chemical and Life Sciences; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Marcia Shofner, Joelle Presson	Seats (Total: 40)
	F 12:00pm - 2:00pm	CSI 2107
SG91	Thomas Stanton	Seats (Total: 30)
	Th 12:30pm - 1:30pm	SG3 2219
	Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.	

BSCI279I **Supplemental Study; Teaching and learning science: career paths for undergraduate science majors**

BSCI279I Supplemental Study: Teaching and learning science: career paths for undergraduate science majors; (1 credit) Grade Method: REG/P-F/AUD.
This seminar will feature guest speakers and discussions of cutting edge approaches to teaching science, research into how students learn science, and career paths in science teaching. Students will be expected to attend every meeting, participate in discussions, do some out of class research, and write a summary of their experience as a final paper.

0101	Joelle Presson **Meets September 10, 2009 - December 10, 2009** Th 5:00pm - 6:15pm	Seats (Total: 15) PLS 1117

BSCI279K **Supplemental Study; Travel-Study in Alaska**

BSCI279K *(PermReq)* **Supplemental Study: Travel-Study in Alaska; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Reid Compton Contact instructor or department for details.	Seats (Total: 15)

BSCI279L **Supplemental Study; Biology I Laboratory**
Contact department for information to register for this course.

BSCI279N **Supplemental Study; Biology II Laboratory**
Contact department for information to register for this course.

BSCI279O **Supplemental Study; Organismal Biology Discussion**

BSCI279O *(PermReq)* **Supplemental Study: Organismal Biology Discussion; (1 credit)** Grade Method: REG/P-F/AUD.
Students registered for BSCI207 section 0101 will be invited to register for this discussion section. Students will work in groups to master the conceptual aspects of BSCI207 material. Emphasis will be placed on integration of the principles of mathematics, physics, chemistry, cell biology, and evolution that govern organismal adaptations.

0101	Todd Cooke Tu 12:30pm - 1:45pm	Seats (Total: 20) HBK 0109
0102	Todd Cooke Tu 2:00pm - 3:15pm	Seats (Total: 20) HBK 0109

BSCI279P **Supplemental Study; Undergraduate Teaching Fellows Professional Development Seminar**

BSCI279P Supplemental Study: Undergraduate Teaching Fellows Professional Development Seminar; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Marcia Shofner Tu 5:00pm - 5:50pm	Seats (Total: 34) PLS 1130
0102	Tammatha O'Brien W 8:00am - 8:50am	Seats (Total: 28) PLS 1119

BSCI279Q **Supplemental Study; Readings in Neurophysiology**

BSCI279Q *(PermReq)* **Supplemental Study: Readings in Neurophysiology; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Patrick Kanold Contact instructor or department for details.	Seats (Total: 10)

BSCI279R **Supplemental Study; Undergraduate Research Rotation**

BSCI279R *(PermReq)* **Supplemental Study: Undergraduate Research Rotation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI288 **Internship; Field Experience**

BSCI288 *(PermReq)* **Internship: Field Experience; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI289 **Off-Campus Internship**

BSCI289 *(PermReq)* **Off-Campus Internship; (1-3 credits)** Grade Method: S-F. Provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). The off-campus internship credit requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

1110	Katerina Thompson Contact instructor or department for details.	Seats (Total: 10)

BSCI329 **Instructional Assistance Practicum**

BSCI329 *(PermReq)* **Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F.
(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major.

1060	Marco Colombini Contact instructor or department for details.	Seats (Total: 4)
1224	Pamela Lanford Contact instructor or department for details.	Seats (Total: 10)

BSCI330 **Cell Biology and Physiology**

BSCI330 Cell Biology and Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: grade of C (2.0) or better in {BSCI105 and (CHEM131 and CHEM132)}. Not open to students who have completed BSCI230. Credit will be granted for only one of the following: BSCI230 or BSCI330. Formerly BSCI230.* Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment. (Sponsoring Dept.: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Ibrahim Ades MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0102	Ibrahim Ades MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0103	Ibrahim Ades MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0104	Ibrahim Ades MWF 9:00am - 9:50am Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0105	Ibrahim Ades MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0106	Ibrahim Ades MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0107	Ibrahim Ades MWF 9:00am - 9:50am W 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0108	Ibrahim Ades MWF 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0109	Ibrahim Ades MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0110	Ibrahim Ades MWF 9:00am - 9:50am F 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab

0111	Ibrahim Ades MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0112	Ibrahim Ades MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
SEF1	Elizabeth Read-Connole Tu 6:30pm - 9:30pm Th 6:30pm - 9:30pm *This section is intended for students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.*	Seats (Total: 24) PLS 1117 BPS 0207	 Lab
SG91	Nancy Noben-Trauth TuTh 11:00am - 12:15pm Tu 2:00pm - 4:50pm *Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.*	Seats (Total: 40) SGII 2052 SGII 3062	 Lab

BSCI338B **Special Topics in Biology; Marine Biology**

BSCI338B Special Topics in Biology: Marine Biology; (3 credits) Grade Method: REG/P-F/AUD.
Specialization Areas: GENB and ECEV.

0101	Marjorie Reaka TuTh 11:00am - 12:15pm	Seats (Total: 40) BPS 1238	

BSCI338C **Special Topics in Biology; Genomics of Sensory Systems**

BSCI338C Special Topics in Biology: Genomics of Sensory Systems; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI222 or permission of instructor. An advanced course covering topics on the molecular basis of senses and the application of genomic techniques to studies of sensory systems and sensory ecology. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB and GENB.

0101	Karen Carleton	Seats (Total: 15)
	MW 2:00pm - 2:50pm	BPS 1230

BSCI338G **Special Topics in Biology; Seminar on Deregulated Cell Growth in Cancer & Drug Development**

BSCI338G Special Topics in Biology: Seminar on Deregulated Cell Growth in Cancer & Drug Development; (2 credits) Grade Method: REG/P-F/AUD.
Sponsoring department (BSCI). Acceptable towards Biological Sciences areas: PHNB and GENB.

0101	Ibrahim Ades	Seats (Total: 20)
	Tu 2:00pm - 3:40pm	PLS 1172

BSCI338I **Special Topics in Biology; Invertebrate Biology**

BSCI338I Special Topics in Biology: Invertebrate Biology; (3 credits) Grade Method: REG/P-F/AUD.
(Sponsoring Department:BIOL). Acceptable for Biological Sciences specialization areas MARB (marine diversity area), ECEV and GENB. Prerequisite: BSCI 106.

0101	Alexandra Bely	Seats (Total: 25)
	MWF 11:00am - 11:50am	PLS 1119

BSCI338N **Special Topics in Biology; Diseases of the Nervous System**

BSCI338N Special Topics in Biology: Diseases of the Nervous System; (3 credits) Grade Method: REG/P-F/AUD.
(Sponsoring DEPT: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB, ZOOL, and GENB. An advanced course covering the function and organization of the nervous system as revealed by pathology and disease.

0101	Avis Cohen	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PLS 1117

BSCI338Z **Special Topics in Biology; Field Research**

BSCI338Z *(PermReq)* **Special Topics in Biology: Field Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information. Formerly ZOOL 328Z.

Contact department for information to register for this course.

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

BSCI348 *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). May be repeated but only 3 credits may be applied to major requirements.

Contact department for information to register for this course.

BSCI348A **Special Topics in Cell Biology and Molecular Genetics; Microbiology Undergraduate Teaching Practicum**

BSCI348A *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Undergraduate Teaching Practicum; (3 credits)** Grade Method: REG/P-F/AUD.
Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Students must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Ann C. Smith for application information: asmith@umd.edu. This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

0101	Ann Smith	Seats (Total: 25)
	W 8:00am - 8:50am	PLS 1129
	Contact instructor or department for details.	

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

BSCI348R *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Internship; (1-4 credits)** Grade Method: REG/P-F/AUD.
This course is an opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Click here for more course information.

0101	David Straney Contact instructor or department for details.	Seats (Total: 3)	

BSCI360 **Principles of Animal Behavior**

BSCI360 Principles of Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI105 and BSCI106 and BSCI222. Formerly ZOOL360.* Study of animal behavior with emphasis on its evolution and function. Topics include genetic basis of behavior, communication, aggression, foraging, cooperation, mate selection, and relevance for conservation. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB, and GENB.

0101	Gerald Wilkinson MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 15) PLS 1130 PLS 1168	 Discussion
0102	Gerald Wilkinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 15) PLS 1130 PLS 1168	 Discussion
0103	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 15) PLS 1130 PLS 1168	 Discussion
0104	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 15) PLS 1130 PLS 1113	 Discussion

BSCI361 **Principles of Ecology**
Contact department for information to register for this course.

BSCI370 **Principles of Evolution**

BSCI370 Principles of Evolution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Formerly ZOOL328Q. Understanding evolutionary processes in a natural and human environment, including adaption; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution. (Sponsoring Dept.: BIOL) Applies to Biological Sciences Specialization Areas: PHNB, GENB, and ECEV.

0101	Charles Fenster	Seats (Total: 90)
	TuTh 11:00am - 12:15pm	PLS 1140

BSCI373 **Natural History of the Chesapeake Bay**

BSCI373 Natural History of the Chesapeake Bay; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: a course in biological sciences or permission of department. Also offered as ENST373. Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota.

0101	Patrick Kangas	Seats (Total: 80)
	MWF 3:00pm - 3:50pm	ANS 0408

BSCI378H **Cell Biology and Molecular Genetics Department Honors Seminar**

BSCI378H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Seminar; (1 credit)** Grade Method: REG.
Repeatable to 6 credits. Formerly MICB388H. Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: CBMG). Restricted to students participating in the CBMG Departmental Honors Program. If you are interested in a CBMG Departmental Honors Research experience, please see the CBMG department web site for detailed information. Click here for more course information.

0101	Zhongchi Liu	Seats (Total: 18)
	F 2:00pm - 2:50pm	HJP 1216

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

BSCI379G *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Cell Biology and Molecular Genetics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG department Undergraduate office. Formerly MICB399G. Click here for more course information.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

BSCI379H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to departmental honors program. Repeatable to 8 credits if content differs. Formerly MICB379. Student should consult program guidelines. Research project carried out under guidance of faculty advisor. (Sponsoring Dept.: CBMG). Corequisite: BSCI 378H. Only open to CBMG departmental honors students. If you are interested in joining the CBMG Departmental Honors Program, please see detailed information on the program web site. Web site: Click here for more course information.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

BSCI379P *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Plant Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept: CBMG). Permission required. See CBMG Undergraduate office Formerly PBIO399. Click here for more course information.

Contact department for information to register for this course.

BSCI380 **Bioinformatics and Integrated Genomics**

BSCI380 Bioinformatics and Integrated Genomics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: A grade of C (2.0) or better is required in (BSCI106 and BSCI222 and {MATH141 or MATH221}). Recommended: BSCI370. Credit will be granted for only one of the following: BSCI348S or BSCI380. Formerly BSCI348S. Computational methods for the study of biological sequence data in comparative biology and evolution. Analysis of genome content and organization. Database searching, pairwise and multiple sequence alignment, phylogenetic methods, pattern recognition, and functional inference. Functional and comparative genomics approaches. (Sponsoring Dept.: CBMG). Acceptable to Biological Specialization Areas: CEBG, MICB, and GENB. Studets must pay a $40.00 Laboratory Materials fee. Click here for more course information.

0101	Najib El-Sayed MWF 10:00am - 10:50am M 2:00pm - 5:00pm	Seats (Total: 25) MCB 1207 PLS 1121	 Lab
0102	Najib El-Sayed MWF 10:00am - 10:50am W 2:00pm - 5:00pm	Seats (Total: 25) MCB 1207 PLS 1121	 Lab

BSCI389 **Entomology Department Research**

BSCI389 *(PermReq)* **Entomology Department Research; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM). Formerly ENTM 399.

Contact department for information to register for this course.

BSCI389H **Entomology Department Honors Research**

BSCI389H *(PermReq)* **Entomology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI392 **Biology of Extinct Animals**

BSCI392 Biology of Extinct Animals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Credit will be granted for only one of the following: BSCI392 or ZOOL396. Formerly ZOOL396. A survey of extinct animals that have few, if any, direct living descendants. The principles governing the functional design of animals will be used to infer life styles for extinct, and frequently bizarre, organisms. Specialization Areas: ECEV and GENB.

0101	Bretton Kent	Seats (Total: 55)	
	MWF 9:00am - 9:50am	PLS 1130	

BSCI393 **Biology of Extinct Animals Laboratory**

BSCI393 Biology of Extinct Animals Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Pre- or corequisite: BSCI392. Formerly: BSCI338W/ZOOL328W. Credit will be granted for only one of the following: BSCI392 or BSCI338W or ZOOL328W. An overview of the techniques used in paleobiological reconstructions of extinct animals. Specialization Areas: ECEV and GENB.

0101	Bretton Kent	Seats (Total: 24)	
	Th 2:00pm - 5:00pm	HJP 1125	Lab

BSCI398H **Biology Department Honors Seminar**

BSCI398H *(PermReq)* **Biology Department Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly ZOOL308H. Required seminar for all students participating in departmental honors research program. (Sponsoring Dept. :BIOL).

1000	Marjorie Reaka	Seats (Total: 35)
	M 4:00pm - 5:00pm	BPS 1230

BSCI399 **Biology Department Research; Biology Department Research**

BSCI399 *(PermReq)* **Biology Department Research: Biology Department Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL) Formerly ZOOL 319.

Contact department for information to register for this course.

BSCI399H **Biology Department Honors Research**

BSCI399H *(PermReq)* **Biology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: participation in the Biology Department Honors Program. Repeatable to 8 credits if content differs. Formerly ZOOL318H. A laboratory research problem; required each semester during honors participation and culminating in an honors thesis. (Sponsoring Dept.: BIOL). Formerly ZOOL 318H.

Contact department for information to register for this course.

BSCI410 **Molecular Genetics**

BSCI410 Molecular Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI222 (or equivalent) and CHEM233 or (CHEM231 and CHEM232). Formerly ZOOL446. An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and CMBG.

0101	Byrn Quimby	Seats (Total: 120)
	TuTh 11:00am - 12:15pm	BPS 1250

BSCI414 **Recombinant DNA Laboratory**

BSCI414 Recombinant DNA Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222. Formerly MICB453. An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Caren Chang TuTh 12:30pm - 4:30pm Contact instructor or department for details.	Seats (Total: 18) MCB 1207	
0102	Caren Chang TuTh 12:30pm - 4:30pm Contact instructor or department for details.	Seats (Total: 18) MCB 1207	

BSCI415 **Molecular Genetics Laboratory**

BSCI415 Molecular Genetics Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: BSCI410. Junior standing. Credit will be granted for only one of the following: BSCI348G or BSCI415. Formerly BSCI348G. Problem solving laboratory organized around extended projects that employ different approaches toward linking gene and function. (Sponsoring Dept.: CBMG). Specialization Areas: CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	David Straney TuTh 2:00pm - 5:00pm	Seats (Total: 18) HJP 2226	Lab

BSCI417 **Microbial Pathogenesis**

BSCI417 Microbial Pathogenesis; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BSCI222 and BSCI223. Junior standing. Credit will be granted for only one of the following: BSCI348M or BSCI417. Formerly BSCI348M. Current research in microbial pathogenesis and the molecular and cellular basis of bacterial disease. Comprehensive overview of the molecular basis of pathogenesis with a focus on model microbial systems to illustrate mechanisms of disease pathogenesis. Topics covered: how microorganisms attach to and enter cells; how host cells are damaged by microbial products; how the host responds to invasion; and host-pathogen evolution.

0101	Kevin McIver MW 11:00am - 12:15pm	Seats (Total: 30) MCB 1207

BSCI420 **Cell Biology Lectures**

BSCI420 Cell Biology Lectures; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and BSCI222; and CHEM233. Credit will be granted for only one of the following: BSCI420 or BSCI421. Formerly ZOOL410.* Molecular and biochemical bases of cellular organization and function in eukaryotes. (Sponsoring Dept: BIOL). Specialization Areas: PHNB, CEBG, and GENB.

0101	Michael Ma, Hey-Kyoung Lee MWF 12:00pm - 12:50pm	Seats (Total: 34) BPS 1250	

BSCI421 **Cell Biology**

BSCI421 Cell Biology; (4 credits) Grade Method: REG/P-F. *Prerequisites: BSCI230 or BSCI330; and BSCI222; and CHEM233. Formerly: PBIO400 and ZOOL411. Credit will be granted for only one of the following: BSCI420 or BSCI421.* Molecular and biochemical basis of cellular organization and function in eukaryotes. (Sponsoring Dept.: BIOL). Applies toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. Students must pay a $40.00 Laboratory Materials fee.

0101	Hey-Kyoung Lee, Michael Ma MWF 12:00pm - 12:50pm Tu 2:00pm - 6:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab
0102	Michael Ma, Hey-Kyoung Lee MWF 12:00pm - 12:50pm W 1:00pm - 5:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab
0104	Hey-Kyoung Lee, Michael Ma MWF 12:00pm - 12:50pm M 1:00pm - 5:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab

BSCI422 **Principles of Immunology**

SEF1	Carol Pontzer W 6:00pm - 9:00pm	Seats (Total: 18) MCB 1207	
	This section is intended for students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		

BSCI424 **Pathogenic Microbiology**

BSCI424 Pathogenic Microbiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI223. Formerly MICB440.* The role of bacteria and fungi in the diseases of humans with emphasis upon the differentiation and culture of microorganisms, types of disease, modes of disease transmission, prophylactic, therapeutic, and epidemiological aspects. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB and GENB (Category 2). Students must pay a $40.00 laboratory materials fee.

0101	Volker Briken, Byrn Quimby TuTh 11:00am - 11:50am MW 9:00am - 10:50am	Seats (Total: 18) JMZ 0220 MCB 1143	 Lab
0103	Byrn Quimby, Volker Briken TuTh 11:00am - 11:50am MW 11:00am - 12:50pm	Seats (Total: 18) JMZ 0220 MCB 1143	 Lab
0105	Volker Briken, Byrn Quimby TuTh 11:00am - 11:50am MW 1:00pm - 2:50pm	Seats (Total: 18) JMZ 0220 MCB 1143	 Lab
0107	Byrn Quimby, Volker Briken TuTh 11:00am - 11:50am MW 3:00pm - 4:50pm	Seats (Total: 18) JMZ 0220 MCB 1143	 Lab

SEF1	David Rollins	Seats (Total: 18)	
	TuTh 7:00pm - 7:50pm TuTh 8:00pm - 10:00pm	BPS 1250 MCB 1135	Lab
	This section is intended for students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. It is restricted to students who already hold a baccalaureate degree. This class is charged at the regular part-time tuition rate (on a per credit hour basis), even for full-time students. To register or to learn more about the Science in the Evening program, see the web site: http//www.scienceintheevening.umd.edu or e-mail spoc-science@umd.edu. Students enrolled in SIE sections will be charged and additional $40 fee for student services.		
SG91	David Rollins	Seats (Total: 30)	
	MW 11:00am - 11:50am MW 12:00pm - 1:50pm	SGII 3052 SGII 4102	Lab
	Restricted to Shady Grove Biological Sciences students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.		

BSCI425 **Epidemiology and Public Health**

BSCI425 Epidemiology and Public Health; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI223. Formerly MICB420. History, characteristic features of epidemiology; the important responsibilities of public health; vital statistics.

SG91	David Rollins	Seats (Total: 40)	
	F 10:30am - 12:20pm F 12:30pm - 1:20pm	SGII 3022 SGII 3022	Discussion
	Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.		

BSCI426 **Membrane Biophysics**

BSCI426 Membrane Biophysics; (3 credits) Grade Method: REG/P-F. CORE Capstone (CS) Course.
Prerequisites: BSCI230 or BSCI330; and PHYS122 or PHYS142; and MATH140 or MATH220. Formerly ZOOL413. Quantitative aspects of biology and the use of mathematical descriptions of biological phenomena. The focus will be on membrane structure, transport, and bioenergetics. (Sponsoring DEPT.: BIOL). Specialization Areas: CEBG, PHNB and GENB. Click here for more course information.

0101	Marco Colombini TuTh 4:00pm - 5:15pm	Seats (Total: 20) JMP 1202

BSCI427 **Principles of Microscopy**

BSCI427 Principles of Microscopy; (2 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI421. Formerly PBIO430.* An introduction to optical principles that underlie light and electron microscopic image formation. Brightfield, darkfield, phase contrast, differential interference contrast, fluorescence and polarized light microscopy. Comparison of light and electron microscopy. The application of these techniques to problems in biological research.

0101	Stephen Wolniak MW 8:00am - 9:00am	Seats (Total: 5) HJP 2226

BSCI437 **General Virology**

BSCI437 General Virology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222 or permission of department. Junior standing. Formerly MICB460.* Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: GENB, MICB and CEBG.

0101	Jonathan Dinman MWF 11:00am - 11:50am	Seats (Total: 60) BPS 1243

BSCI440 **Mammalian Physiology**

BSCI440 Mammalian Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and CHEM233; or permission of department. Formerly ZOOL422.* A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441). (Sponsoring Dept.: BIOL). Applies to Biological Sciences Specialization Areas: PHNB and GENB. BSCI 440 is a lecture/discussion format course. The laboratory is offered separately as BSCI 441.

0101	Sergei Sukharev, Pamela Lanford MWF 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 35) BPS 1250 PLS 1113	Discussion
0102	Sergei Sukharev, Pamela Lanford MWF 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 35) BPS 1250 PLS 1117	Discussion
0103	Sergei Sukharev, Pamela Lanford MWF 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 35) BPS 1250 HJP 1229	Discussion
0105	Sergei Sukharev, Pamela Lanford MWF 10:00am - 10:50am W 11:00am - 12:50pm	Seats (Total: 30) BPS 1250 PLS 1113	Discussion

BSCI441 **Mammalian Physiology Laboratory**

BSCI441 Mammalian Physiology Laboratory; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: BSCI440. Formerly ZOOL423. Laboratory exercises in experimental mammalian physiology. (Sponsoring Dept.: BIOL). Applies to Biological Sciences Specialization Areas: PHNB and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Pamela Lanford M 1:00pm - 1:50pm M 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab
0102	Pamela Lanford M 1:00pm - 1:50pm Tu 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab
0103	Pamela Lanford M 1:00pm - 1:50pm W 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab
0104	Pamela Lanford M 1:00pm - 1:50pm Th 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab

BSCI442 **Plant Physiology**

BSCI442 Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI105 and CHEM233 or (CHEM231 and CHEM232). Formerly PBIO420.* A survey of the general physiological activities of plants. Offered Fall semester only. (Sponsoring Dept.: CBMG). Applies to Biological Sciences Specialization Areas: PHNB, CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Heven Sze	Seats (Total: 18)	
	TuTh 11:00am - 12:15pm	HJP 2242	
	M 6:00pm - 9:00pm	HJP 2230	Lab

BSCI443 **Microbial Physiology**
Contact department for information to register for this course.

BSCI447 **General Endocrinology**

BSCI447 General Endocrinology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and CHEM233; and CHEM243. Formerly ZOOL426.* Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates. (Sponsoring DEPT.: BIOL). Specialization Areas: PHNB and GENB.

0101	Justicia Opoku-Edusei	Seats (Total: 60)
	MWF 10:00am - 10:50am	BPS 1243

BSCI453 **Cellular Neurophysiology**

BSCI453 Cellular Neurophysiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A grade of C (2.0) or better in {BSCI230 or BSCI330} and {CHEM231 and CHEM232} and PHYS122. Credit will be granted for only one of the following: BSCI444 or BSCI445 or BSCI453. Formerly BSCI444.* The cellular and molecular basis of nervous system function. (Sponsoring DEPT.: BIOL). Acceptable toward Biological Sciences specialization areas: CEBG, PHNB and GENB.

0101	Elizabeth Quinlan, Catherine Carr	Seats (Total: 146)
	TuTh 12:30pm - 1:45pm	BPS 1250

BSCI454 **Neurobiology Laboratory**

BSCI454 Neurobiology Laboratory; (1 credit) Grade Method: REG.
Prerequisite: BSCI230 or BSCI330; and {CHEM231 and CHEM232} and PHYS122. Pre- or corequisite: {BSCI453 or BSCI446}. Credit will be granted for only one of the following: BSCI445 or BSCI454. Formerly BSCI445. Grade of C (2.0) required in all course pre-requisites. Basic neuroanatomical techniques, intracellular and extracellular recordings of electrical potentials from nerve and muscle. (Sponsoring Dept.: BIOL). Specialization areas: CEBG, PHNB, and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Richard Payne M 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab
0102	Richard Payne Tu 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab
0103	Richard Payne W 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab
0104	Richard Payne W 6:00pm - 9:00pm	Seats (Total: 20) BPS 0213	Lab
0105	Richard Payne Th 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab

BSCI460 **Plant Ecology**

BSCI460 Plant Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Formerly PBIO440. The dynamics of populations as affected by environmental factors with special emphasis on the structure and composition of natural plant communities, both terrestrial and aquatic. (Sponsoring Dept.: BIOL). Applies toward Biological Sciences Specialization Areas: ECEV and GENB. Students must pay a $40.00 Laboratory Materials fee.

0101	Irwin Forseth MWF 11:00am - 11:50am	Seats (Total: 49) BPS 0283	

BSCI461 **Plant Ecology Laboratory**

BSCI461 Plant Ecology Laboratory; (2 credits) Grade Method: REG/P-F/AUD. *Pre- or corequisite: BSCI460. Formerly PBIO441.* Two or three field trips per semester. The application of field and experimental methods to the qualitative and quantitative study of vegetation and ecosystems. (Sponsoring Dept.: BIOL). Applies toward Biological Sciences Specialization Areas: ECEV and GENB. Students must pay a $40.00 Laboratory Materials fee.

0102	Irwin Forseth	Seats (Total: 20)	
	W 1:00pm - 4:00pm	BPS 0275	Lab

BSCI462 **Population Ecology**

BSCI462 Population Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI106 and MATH220. Formerly ZOOL470.* Theory of population growth and regulation, life tables, and theory of competition and predation, evolution in ecological settings, community structure and dynamics. (Sponsoring Dept.: BIOL). Specialization Areas: EDEV and GENB.

0101	Douglas Gill	Seats (Total: 40)	
	MWF 9:00am - 9:50am	PLS 1140	

BSCI467 **Freshwater Biology**

BSCI467 Freshwater Biology; (4 credits) Grade Method: REG/P-F. *Prerequisite: BSCI227 or permission of department. Formerly ENTM482.* Biology and ecology of freshwater invertebrates in lotic and lentic habitats, their adaptation to aquatic life, their function in aquatic ecosystems, and their relationship to environmental deterioration. Laboratory will include field trips, demonstrations, and identifications. Specialization Areas: ECEV and GENB.

0101	William Lamp	Seats (Total: 27)	
	MWF 1:00pm - 1:50pm	PLS 1117	
	W 2:00pm - 5:00pm	PLS 1161	Lab

BSCI497 **Insect Pests of Ornamentals and Turf**

BSCI497 Insect Pests of Ornamentals and Turf; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI227 or permission of instructor. Also offered as ENTM497. Credit will be granted for only one of the following: BSCI497, ENTM453, or ENTM497. Formerly ENTM453. The recognition, biology and management of insects and mites injurious to ornamental shrubs, trees, greenhouse crops, and turf. Emphasis on Integrated Pest Management (IPM).

0101	Paula Shrewsbury TuTh 9:30am - 10:45am M 1:00pm - 4:00pm	Seats (Total: 24) PLS 1111 PLS 1161	 Lab

BSOS Behavioral and Social Sciences Fall 2009

BSOS181 **Civicus Student and the University**

BSOS181 Civicus Student and the University; (1 credit) Grade Method: REG/P-F/AUD.
Open to Civicus students only. Freshman standing. Knowledge and skills designed to utilize CIVICUS to enhance the college experience and preparation for civic engagement.

0101	James Bond M 2:00pm - 3:45pm	Seats (Total: 26) SOM 0101
0201	Lorna Lucas Tu 2:00pm - 3:45pm	Seats (Total: 26) SOM 0101
0401	Stacie West Tu 2:00pm - 3:45pm	Seats (Total: 16) SOM 0110

BSOS188I **Selected Topics in the Behavioral and Social Sciences**

BSOS188I *(PermReq)* **Selected Topics in the Behavioral and Social Sciences; (3 credits)** Grade Method: REG/P-F/AUD.

0201	Amanda Woodward Contact instructor or department for details.	Seats (Total: 8)

BSOS188T **Selected Topics in the Behavioral and Social Sciences; Transfer Students in BSOS**

BSOS188T *(PermReq)* **Selected Topics in the Behavioral and Social Sciences: Transfer Students in BSOS; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Melissa Kamin, Karmin Cortes **Meets August 31, 2009 - October 21, 2009** Tu 3:00pm - 4:50pm	Seats (Total: 30) JMZ 0122

BSOS191 **Introduction to Civicus**

BSOS191 Introduction to Civicus; (3 credits) Grade Method: REG.
Open to Civicus students only. 3 semester hours. An introduction to the social and historical foundations of a civil society. An examination of the roles of individuals, groups, social institutions and community services.

0101	Sue Briggs TuTh 9:30am - 10:45am	Seats (Total: 26) SOM 0101
0201	Sue Briggs TuTh 11:00am - 12:15pm	Seats (Total: 26) SOM 0101
0301	Sue Briggs TuTh 4:00pm - 5:15pm	Seats (Total: 26) SOM 0101

BSOS288A **Special Topics in Behavioral and Social Sciences; Peer Mentoring**

BSOS288A *(PermReq)* **Special Topics in Behavioral and Social Sciences: Peer Mentoring; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Regina Huhtanen Contact instructor or department for details.	Seats (Total: 25)

BSOS288C **Special Topics in Behavioral and Social Sciences; Center for American Politics and Citizenship Independent Study**
Contact department for information to register for this course.

BSOS288E **Special Topics in Behavioral and Social Sciences; Ethnicity, Institutions and Electoral Violance**

BSOS288E *(PermReq)* **Special Topics in Behavioral and Social Sciences: Ethnicity, Institutions and Electoral Violance; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Johanna Birnir	Seats (Total: 3)
	Contact instructor or department for details.	

BSOS288I **Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**

BSOS288I *(PermReq)* **Special Topics in Behavioral and Social Sciences: Internship Practicum in the Social Sciences; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs	Seats (Total: 20)
	Contact instructor or department for details.	

BSOS288R **Special Topics in Behavioral and Social Sciences; Research Practicum**

BSOS288R *(PermReq)* **Special Topics in Behavioral and Social Sciences: Research Practicum; (3 credits)** Grade Method: REG/P-F/AUD.

0101	June Kwak	Seats (Total: 1)
	Contact instructor or department for details.	

BSOS288T **Media and Terrorism**

BSOS288T Media and Terrorism; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
This course will investigate the interplay between terrorism around the world and mass media content about terrorism. The course will focus both on how news and entertainment media portray terrorism and terrorists, and the effects of terrorism and media portrayal of terrorism on the public and public policy. This course examines terrorism from historical and contemporary perspectives, providing grounds for learning about and discussion of the interplay between terrorism and communication.

FC01	Ashley Nellis	Seats (Total: 40)
	TuTh 7:30pm - 8:45pm	KEY 1117
	Restricted to students in Freshmen Connection.	

BSOS301 **Leadership in a Multicultural Society**

BSOS301 *(PermReq)* **Leadership in a Multicultural Society; (3 credits)** Grade Method: REG.
Prerequisites: SOCY105, BSOS181,and BSOS191. Sophomore standing. A study and application of skills, historical context, theories, and concepts for constructive leadership in a pluralistic, multicultural, and diverse society. Social science methodologies and theories will provide the structure for the study of contemporary social problems, civil society issues, and leadership practices.

0101	Sue Briggs MW 12:30pm - 1:45pm	Seats (Total: 26) SOM 0101
0201	Rhondie Voorhees TuTh 12:30pm - 1:45pm	Seats (Total: 30) SOM 0101
0301	Sue Briggs MW 4:00pm - 5:15pm	Seats (Total: 26) SOM 0101

BSOS309 **Civicus Seminar**

BSOS309 *(PermReq)* **Civicus Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 10)

BSOS330 **Terrorist Motivations and Behaviors**

BSOS330 *(PermReq)* **Terrorist Motivations and Behaviors; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students admitted into the Terrorism Studies Minor Program. An exploration of theories explaining the formation of terrorist groups and the motivations behind terrorist behavior, building upon theories from social psychology, sociology, political science, criminology, and history. Examination of historical examples as well as current examples of terrorist groups operating throughout the world.

0101	Brian King, Johanna Birnir M 1:00pm - 3:45pm	Seats (Total: 35) HBK 0105

BSOS332 **The Practice of Terrorism Studies**

BSOS332 *(PermReq)* **The Practice of Terrorism Studies; (5 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSOS330 and BSOS331. Restricted to students enrolled in the Terrorism Studies Minor Program. Serves as the capstone for the Terrorism Studies Minor Program. Students complete an approved internship or conduct a relevant, original research project and meet regularly with an instructor to learn and apply academic and professional analytical tools relevant to the study of terrorism.

0101	Katherine Izsak	Seats (Total: 35)
	Tu 1:30pm - 4:15pm	ARM 0110
	Contact instructor or department for details.	

BSOS386 **Experiential Learning**

BSOS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

BSOS388 **Behavioral and Social Sciences Special Topics**

BSOS388 Behavioral and Social Sciences Special Topics; (1-3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388A **Behavioral and Social Sciences Special Topics; Editorial Skills and Research Methods**

BSOS388A *(PermReq)* **Behavioral and Social Sciences Special Topics: Editorial Skills and Research Methods; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Suheil Bushrui	Seats (Total: 2)
	Contact instructor or department for details.	

BSOS388E **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**

BSOS388E *(PermReq)* **Behavioral and Social Sciences Special Topics: CIDCM Minor Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388I **Behavioral and Social Sciences Special Topics; Social Science Internship Practicum**

BSOS388I *(PermReq)* **Behavioral and Social Sciences Special Topics: Social Science Internship Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs	Seats (Total: 30)
	Contact instructor or department for details.	

BSOS388L **Behavioral and Social Sciences Special Topics; Advanced Peer Training**

BSOS388L *(PermReq)* **Behavioral and Social Sciences Special Topics: Advanced Peer Training; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Regina Huhtanen	Seats (Total: 10)
	Contact instructor or department for details.	

BSOS388M **Behavioral and Social Sciences Special Topics; Social Science Independent Research.**

BSOS388M *(PermReq)* **Behavioral and Social Sciences Special Topics: Social Science Independent Research.; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Wayne McIntosh	Seats (Total: 2)
	Contact instructor or department for details.	

BSOS388Q **Behavioral and Social Sciences Special Topics; Cesar Directed Study**
Contact department for information to register for this course.

BSOS399 **Directed Study in Behavioral and Social Sciences**

BSOS399 *(PermReq)* **Directed Study in Behavioral and Social Sciences; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS399A **Directed Study in Behavioral and Social Sciences; Introduction to Arab-Islamic Civilization**
Contact department for information to register for this course.

BSOS399B **Directed Study in Behavioral and Social Sciences; Directed Research in International Development**

BSOS399B Directed Study in Behavioral and Social Sciences: Directed Research in International Development; (4 credits) Grade Method: REG/P-F/AUD.

0101	John Grayzel	Seats (Total: 2)
	Contact instructor or department for details.	

BSOS399C **Directed Study in Behavioral and Social Sciences; Civicus Undergraduate Teaching Assistant Directed Study**

BSOS399C *(PermReq)* **Directed Study in Behavioral and Social Sciences: Civicus Undergraduate Teaching Assistant Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs	Seats (Total: 12)
	Contact instructor or department for details.	

BSOS399J **Directed Study in Behavioral and Social Sciences; Independent Study in Terrorism Studies**

BSOS399J *(PermReq)* **Directed Study in Behavioral and Social Sciences: Independent Study in Terrorism Studies; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Katherine Izsak	Seats (Total: 2)
	Contact instructor or department for details.	

BSOS399O **Directed Study in Behavioral and Social Sciences; Teaching on the Topic of Terrorism**

BSOS399O *(PermReq)* **Directed Study in Behavioral and Social Sciences: Teaching on the Topic of Terrorism; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Katherine Izsak	Seats (Total: 5)
	Contact instructor or department for details.	

BSOS399V **Directed Study in Behavioral and Social Sciences; Internship with Community Roots**

BSOS399V *(PermReq)* **Directed Study in Behavioral and Social Sciences: Internship with Community Roots; (4 credits)** Grade Method: REG/P-F/AUD.

0101	Valencia Skeeter	Seats (Total: 1)
	Contact instructor or department for details.	

BSOS399Z **Directed Study in Behavioral and Social Sciences; The Role of Religion in Conflict and Resolution**

Contact department for information to register for this course.

BSOS608 **LEAD Professional Seminar**

BSOS608 *(PermReq)* **LEAD Professional Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Darlene Iskra	Seats (Total: 15)
	Contact instructor or department for details.	

BSOS611 **Moral Reasoning and the Company Officer**

BSOS611 Moral Reasoning and the Company Officer; (3 credits) Grade Method: REG/AUD.

Prerequisite: Approved member of LEAD Cohort. This course examines classical views of moral and ethical reasoning in the context of one's serving as a Company Officer at the Naval Academy. The intent is to expose students to a wide range of scholarly opinions regarding moral and ethical thought. Students will then apply principles, ideas, and fundamental conceptions to their future role as Company Officers in the Brigade of Midshipmen. Contemporary articles promoting moral integrity, reasoning, and the development of ethical leadership are emphasized. The course relies heavily on case studies. Students will assess situations, diagnose issues, design and apply interventions, and assess intervention results.

0101	James Campbell	Seats (Total: 16)
	Th 1:00pm - 4:00pm	Location: TBA
	This section will meet in Naval Academy Luce Hall room 211.	

BUAC Accounting and Information Assurance — Fall 2009

BUAC743 **Financial Statement Analysis**

BUAC743 Financial Statement Analysis; (2 credits) Grade Method: REG/AUD.

Prerequisite: BUSI610. For Majors only or permission of department. Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

0101	Gary Bulmash	Seats (Total: 35)
	Meets October 22, 2009 - December 17, 2009	
	MW 3:00pm - 4:50pm	VMH 1520

BUAC758I **Special Topics in Accounting and Information Assurance; Internal Audit #2**

BUAC758I *(PermReq)* **Special Topics in Accounting and Information Assurance: Internal Audit #2; (3 credits)** Grade Method: REG.

GS06	Alan Siegfried, Elizabeth Folsom	Seats (Total: 0)
	Meets September 12, 2009 - November 21, 2009	
	Sa 8:00am - 12:00pm	SG3 2230
	For MS in Accounting Students Only. Meets 9/12, 9/26, 10/3, 10/10, 10/17, 10/24, 10/31, 11/7, 11/14, 11/21.	

BUAC758O **Special Topics in Accounting and Information Assurance; Impact of Sarbanes-Oxley Act on Internal Controls and Financial Disclosures**

BUAC758O Special Topics in Accounting and Information Assurance: Impact of Sarbanes-Oxley Act on Internal Controls and Financial Disclosures; (2 credits) Grade Method: REG/AUD.

DC01	Timothy Day	Seats (Total: 35)
	Meets August 26, 2009 - October 21, 2009	
	Tu 6:25pm - 10:00pm	DC C6

BUAC758P **Special Topics in Accounting and Information Assurance; Action Learning Project**

BUAC758P *(PermReq)* **Special Topics in Accounting and Information Assurance: Action Learning Project; (1 credit)** Grade Method: REG.

GS06	Matthew Gagnon	Seats (Total: 0)
	Meets September 12, 2009 - December 5, 2009	
	Sa 5:00pm - 6:00pm	SG3 2230
	Sa 8:00am - 3:15pm	SG3 2230
	For Ms Accounting Students Only. Meets from 5:00-6:00pm on 9/12, 9/26, 10/3, 10/10, 10/17, 10/24, 10/31, 11/7, 11/14. Meets from 8:00am-3:15pm on 12/5.	

BUAC758Q **Special Topics in Accounting and Information Assurance; Action Learning Project**

BUAC758Q Special Topics in Accounting and Information Assurance: Action Learning Project; (1 credit) Grade Method: REG/AUD.

GS06	Matthew Gagnon	Seats (Total: 3)
	Meets September 12, 2009 - December 5, 2009	
	Sa 5:00pm - 6:00pm	SG3 2230
	Sa 8:00am - 3:15pm	SG3 2230
	For MS Accounting Students Only. Meets from 5:00-6:00pm on 9/12, 9/26, 10/3, 10/10, 10/17, 10/24, 10/31, 11/7, 11/14. Meets from 8:00am- 3:15pmon 12/5.	

BUAC758X **Special Topics in Accounting and Information Assurance; Advanced Managerial Accounting and Control Systems**

BUAC758X *(PermReq)* **Special Topics in Accounting and Information Assurance: Advanced Managerial Accounting and Control Systems; (3 credits)** Grade Method: REG.

GS06	Thomas Vermeer	Seats (Total: 0)
	Meets October 17, 2009 - November 21, 2009	
	Sa 8:30am - 5:00pm	SG3 4211
	For MS in Accounting Students Only. Meets 10/17, 10/24, 10/31, 11/7, 11/14. Final 11/21.	

BUAC758Z **Special Topics in Accounting and Information Assurance; Financial Statement Analysis**

BUAC758Z *(PermReq)* **Special Topics in Accounting and Information Assurance: Financial Statement Analysis; (3 credits)** Grade Method: REG.

GS06	Gary Bulmash	Seats (Total: 0)
	Meets August 29, 2009 - October 10, 2009	
	Sa 8:30am - 5:00pm	SG3 3202
	For MS in Accounting Students Only. Meets 8/29, 9/5, 9/12, 9/26, 10/3, Final 10/10.	

BUAC759 **Independent Study in Accounting and Information Assurance**

BUAC759 *(PermReq)* **Independent Study in Accounting and Information Assurance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT Decision and Information Technologies Fall 2009

BUDT710 **Information Technology and Organizational Transformation**

BUDT710 Information Technology and Organizational Transformation; (2 credits) Grade Method: REG/AUD.
Prerequisite: BUSI621 or BUSI622. For majors only or permission of department. Credit will be granted for only one of the following: BMGT 720 or BUDT 710. Formerly BMGT720. Focuses on understanding (a) the nature of new and exciting emerging technologies, (b) their value propositions for specific organizations, and (c) how these technologies will shape value creation, value capture and competition in the future. Topics include Social Computing, Telecom applications in Wireless, LBS and 3G Telephony, Outsourcing/Off-shoring, Open Source Software, Intelligent Devices and Applications, Privacy/Ethics and Managing IT Innovation.

GS01	Sunil Mithas	Seats (Total: 35)
	Meets August 29, 2009 - October 10, 2009	
	Sa 9:00am - 2:30pm	SGII 1032
	Meets 8/29, 9/12, 9/19, 10/3, 10/10.	

BUDT733 **Data Mining for Business**

BUDT733 Data Mining for Business; (3 credits) Grade Method: REG.
Prerequisite: BUSI 630. Credit will be granted for only one of the following: BMGT 733 or BUDT 733. Formerly BMGT733. Data mining techniques and their use in strategic business decision making. A hands-on course that provides an understanding of the key methods of data visualization, exploration, classification, prediction, time series forecasting, and clustering. Non-majors should review their registration eligibility in the statement preceding the BUDT courses.

DC01	Galit Shmueli **Meets August 26, 2009 - December 17, 2009** Tu 7:00pm - 9:40pm	Seats (Total: 40) DC C2

BUDT750 **Game Theory for Managerial Decisions**

BUDT750 Game Theory for Managerial Decisions; (3 credits) Grade Method: REG/AUD.
Prerequisite: BUSI690. A study of managerial decision-making in strategic (or interactive) situations characterized by both conflict and cooperation. Introduces basic tools of game theory including simultaneous and sequential-move games, equilibrium analysis, repeated interactions, information assymetry, and principal-agent models. Applications of game theory to managerial decisions such as pricing, promotions, entry/exit decisions, deterrence, design of incentive contracts, supply chain relationships, auctions.

0101	Shreevardhan Lele **Meets September 2, 2009 - December 17, 2009** W 9:30am - 12:00pm	Seats (Total: 40) VMH 1520
BA01	Shreevardhan Lele **Meets September 2, 2009 - December 17, 2009** W 7:00pm - 9:40pm	Seats (Total: 40) BA 150

BUDT758V **Special Topics in Decision, Operations and Information Technologies; Social Computing and Web 2.0**

BUDT758V Special Topics in Decision, Operations and Information Technologies: Social Computing and Web 2.0; (2 credits) Grade Method: REG.

0101	Xiaoqing Wang	Seats (Total: 35)
	Meets October 22, 2009 - December 17, 2009	
	TuTh 9:00am - 10:50am	VMH 1511

BUDT759 **Independent Study in Decision and Information Technologies**

BUDT759 *(PermReq)* **Independent Study in Decision and Information Technologies; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT775 **Pricing and Revenue Management**

BUDT775 Pricing and Revenue Management; (2 credits) Grade Method: REG/AUD.
For Majors Only or permission of department. Credit will be granted for only one of the following: BUDT758D or BUDT775. Formerly BUDT758D. Specialized course on pricing and revenue management (PRM) that provides students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.

DC06	Itir Karaesmen-Aydin	Seats (Total: 35)
	Meets August 29, 2009 - October 17, 2009	
	Sa 8:40am - 12:50pm	DC C6
	Meets 8/29, 9/5, 9/19, 9/26, 10/10, 10/17.	

BUFN Finance Fall 2009

BUFN738 **Investment Fund Management**
Contact department for information to register for this course.

BUFN750 **Valuation in Corporate Finance**

BUFN750 *(PermReq)* **Valuation of Corporate Finance; (2 credits)** Grade Method: REG/AUD.
Prerequisite: BUSI640. For majors only. Credit will be granted for only one of the following: BUFN714 or BUFN750. Formerly BUFN714. An advanced topics course in Corporate Finance dealing with valuation. Main topics will be, building pro forma statements, cost of capital, using ratios and comparables to value projects and firms, dicounted cash flow valuations, WACC and APV methods of valuation and Real Option Valuations. For MS in Business: Finance Students Only.

DC51	Mark Taranto **Meets October 22, 2009 - December 17, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C5

BUFN752 **Financial Restructuring**

BUFN752 Financial Restructuring; (2 credits) Grade Method: REG/AUD.
Prerequisite: BUSI640. For majors only. Credit will be granted for only one of the following: BUFN716 or BUFN752. Formerly BUFN716. Focuses on identifying ways to increase firm value through corporate restructuring. Specific topics include: mergers and tender offers, spin-offs, carve-outs, divestitures, takeover defense strategies, leveraged buy-outs, and international acquisitions. Additionally, the theory, practice and empirical evidence related to each of these topics will be covered. Emphasis will be placed on valuation analysis and strategic considerations.

0101	Gerard Hoberg **Meets August 26, 2009 - October 21, 2009** MW 1:00pm - 2:50pm	Seats (Total: 40) VMH 1418
DC01	Gerard Hoberg **Meets August 26, 2009 - October 21, 2009** Th 6:25pm - 10:00pm	Seats (Total: 42) DC C2
GS01	Gerard Hoberg **Meets August 26, 2009 - October 21, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 40) SG3 3219

BUFN754 **Corporate Risk Management**

BUFN754 Corporate Risk Management; (2 credits) Grade Method: REG/AUD. *Prerequisite: BUSI640. For majors only.* Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

DC01	Clifford Rossi	Seats (Total: 43)
	Meets October 22, 2009 - December 17, 2009	
	Th 6:25pm - 10:00pm	DC C2

BUFN759 **Independent Study in Finance**

BUFN759 *(PermReq)* **Independent Study in Finance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUFN760 **Applied Equity Analysis**

BUFN760 Applied Equity Analysis; (2 credits) Grade Method: REG/AUD. *Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN702 or BUFN760. Formerly BUFN702.* Students will learn to analyze equity securities using the basic EIC (Economy/Industry/Company) framework used in the financial industry, paying special attention to financial statement analysis. Students also will learn the primary valuation techniques used to estimate market values for equity securities.

0101	Sarah Kroncke	Seats (Total: 35)
	Meets August 26, 2009 - October 21, 2009	
	TuTh 11:00am - 12:50pm	VMH 1520

DC06	Douglas Lamdin **Meets August 29, 2009 - October 17, 2009** Sa 1:40pm - 5:50pm *Meets 8/29, 9/5, 9/19, 9/26, 10/10, 10/17.*	Seats (Total: 35) DC C5
GS01	Sarah Kroncke **Meets August 26, 2009 - October 21, 2009** Th 6:25pm - 10:00pm	Seats (Total: 35) SG3 3206

BUFN761 **Derivative Securities**

BUFN761 Derivative Securities; (2 credits) Grade Method: REG/AUD. *Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN726 or BUFN761. Formerly BUFN726.* Standard types of derivatives contracts are presented, and illustrated as to how they are used in practice. The theory of pricing these contracts is then presented in detail. The use of static and dynamic replication strategies, and the concept of no-arbitrage strategies is illustrated in numerous ways. Standard valuation techniques are covered, and standard formulas are presented. The theory is then applied to develop specific pricing and hedging strategies for various types of derivatives on different underlying assets. The management of the exposure of various risks is covered in detail as well.

BA01	Clifford Rossi **Meets August 26, 2009 - October 21, 2009** Th 6:25pm - 10:00pm	Seats (Total: 35) BA 150
DC01	Clifford Rossi **Meets September 2, 2009 - October 21, 2009** W 6:25pm - 10:00pm	Seats (Total: 35) DC C4
DC51	Clifford Rossi **Meets October 22, 2009 - December 17, 2009** M 6:25pm - 10:00pm *For MS in Business: Finance Students Only.*	Seats (Total: 0) DC C5

BUFN762 **Fixed Income Analysis**

BUFN762 Fixed Income Analysis; (2 credits) Grade Method: REG/AUD. *Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN731 or BUFN762. Formerly BUFN731.* Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.

0101	Mark Taranto **Meets October 22, 2009 - December 17, 2009** MW 3:00pm - 4:50pm	Seats (Total: 35) VMH 1505
BA01	Mark Taranto **Meets October 22, 2009 - December 17, 2009** M 6:25pm - 10:00pm	Seats (Total: 35) BA 730

BUFN763 **Portfolio Management**

BUFN763 Portfolio Management; (2 credits) Grade Method: REG/AUD. *Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN700 or BUFN763. Formerly BUFN700.* Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.

DC01	Michael Lee **Meets October 22, 2009 - December 17, 2009** W 6:25pm - 10:00pm	Seats (Total: 39) DC C6

BUFN770 **International Investment**

BUFN770 International Investment; (2 credits) Grade Method: REG/AUD.
Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN724; or BUFN770 and BUFN771. Formerly BUFN724. Addresses international stock markets, portfolio theory, international interest rates, exchange rates and exchange rate derivatives (options, forwards, and futures), exchange rate swaps and exchange rate exposure (operating, translation, and transaction), foreign investment strategey.

0101	Steven Heston **Meets August 26, 2009 - October 21, 2009** MW 3:00pm - 4:50pm	Seats (Total: 35) VMH 1505
BA01	Steven Heston **Meets August 26, 2009 - October 21, 2009** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 35) BA 304
DC06	Steven Heston **Meets August 29, 2009 - October 17, 2009** Sa 8:40am - 12:50pm *Meets 8/29, 9/5, 9/19, 9/26, 10/10, 10/17.*	Seats (Total: 35) DC C5

BUFN771 **International Corporate and Project Finance**

BUFN771 International Corporate and Project Finance; (2 credits) Grade Method: REG/AUD.
Prerequisite: BUFN770. For majors only. Credit will be granted for only one of the following: BUFN724; or BUFN770 and BUFN771. Formerly BUFN724. Continuation of BUFN770. Issues addressed will include captial budgeting, project financing, exhange rate exposure (operating, translation, and transaction), foreign investment strategy, and risk management.

DC06	Edmund Luzine **Meets October 31, 2009 - December 19, 2009** Sa 8:15am - 1:15pm *Meets 10/31, 11/7, 11/21, 12/5, 12/19.*	Seats (Total: 35) DC C5
GS01	Edmund Luzine **Meets October 22, 2009 - December 17, 2009** Th 6:25pm - 10:00pm	Seats (Total: 35) SG3 4215

BUFN772 **Bank Management**

BUFN772 Bank Management; (2 credits) Grade Method: REG/AUD. *Prerequisite: BUSI640. For Majors Only. Credit will be granted for only one of the following: BUFN722 or BUFN772. Formerly BUFN722.* Analyze and discuss readings in bank management,with primary focus on the measurement and management of risk, including credit, market, and interest rate risk. Look at the management of liquid reserves. Examine the special nature of financial institutions, incorporating their functions, policies, services, and regulation. Study the evolving nature of the financial services inductry, by reading the financial press and by having outside practitioner speakers. Focus is on U.S. banks.

0101	Elinda Kiss **Meets October 27, 2009 - December 17, 2009** TuTh 11:00am - 12:50pm	Seats (Total: 35) VMH 1520
BA01	Elinda Kiss **Meets October 29, 2009 - December 17, 2009** Th 6:25pm - 10:00pm	Seats (Total: 35) BA 150
DC06	Elinda Kiss **Meets October 31, 2009 - December 19, 2009** Sa 1:45pm - 6:45pm *Meets 10/31, 11/7, 11/21, 12/5, 12/19.*	Seats (Total: 35) DC C5

GS01	Elinda Kiss	Seats (Total: 35)
	Meets October 27, 2009 - December 17, 2009	
	Tu 6:25pm - 10:00pm	SG3 3219

BULM Logistics, Business, and Public Policy Fall 2009

BULM742 **Global Supply Chain Resources Planning**

BULM742 Global Supply Chain Resources Planning; (2 credits) Grade Method: REG/AUD.

For Majors only or permission of department. Provides students with an overall understanding of how firms use an advanced supply chain planning (ASCP) application as an integral part of their materials management process which includes such activities as production planning, materials requirements planning, and distribution requirements planning.

GS01	Thomas Corsi, Philip Evers	Seats (Total: 24)
	Meets November 7, 2009 - December 5, 2009	
	Sa 8:30am - 5:50pm	SG3 3226
	Meets November 7, November 21 and December 5 from 8:30am to 5:50pm. Thi course will meet in room 3211 as well as room 3226 in building SG3.	

BULM758D **Special Topics in Logistics, Business and Public Policy; Competing in Emerging Markets**

BULM758D Special Topics in Logistics, Business and Public Policy: Competing in Emerging Markets; (3 credits) Grade Method: REG.

DC01	Vinod Jain	Seats (Total: 40)
	Meets August 31, 2009 - December 17, 2009	
	Tu 7:00pm - 9:40pm	DC C4

BULM758F **Special Topics in Logistics, Business and Public Policy; Economics of Sustainable Development**

BULM758F Special Topics in Logistics, Business and Public Policy: Economics of Sustainable Development; (2 credits) Grade Method: REG.

0101	Rachelle Sampson **Meets October 22, 2009 - December 17, 2009** TuTh 11:00am - 12:50pm	Seats (Total: 35) VMH 1511
DC06	Rachelle Sampson **Meets October 31, 2009 - December 19, 2009** Sa 8:15am - 1:15pm *Meets 10/31, 11/7, 11/21, 12/ 5, 12/19.*	Seats (Total: 35) DC C2

BULM758M **Special Topics in Logistics, Business and Public Policy; Emerging Economies, Government Policies, and International Trade**

BULM758M Special Topics in Logistics, Business and Public Policy: Emerging Economies, Government Policies, and International Trade; (2 credits) Grade Method: REG/AUD.

0101	Jahangir Boroumand **Meets August 26, 2009 - October 21, 2009** TuTh 11:00am - 12:50pm	Seats (Total: 35) VMH 1511

BULM759 **Independent Study in Logistics Management**

BULM759 *(PermReq)* **Independent Study in Logistics Management; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMK Marketing Fall 2009

BUMK706 **Marketing Analysis**

BUMK706 Marketing Analysis; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits.. Prerequisite: BUSI 650. Introduction to modeling tools used to support marketing analysis and decision making. Applications in strategic marketing, marketing segmentation, new product development, sales promotion analysis, pricing, design of marketing mix, sales force allocation, and direct marketing. Spreadsheet driven cases and illustrative readings. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Pallassana Kannan **Meets August 26, 2009 - October 21, 2009** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1333
DC01	Michel Wedel **Meets August 26, 2009 - October 21, 2009** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 35) DC C4
GS01	Pallassana Kannan **Meets September 2, 2009 - October 21, 2009** W 6:25pm - 10:00pm	Seats (Total: 35) SG3 3219

BUMK716 **Brand Management**

BUMK716 Brand Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. For Majors only or permission of department. Brand names are valuable assets for firms. Effective brand management is critical to maintaining the long-term profitability of products and services. Topics include understanding brands from the customer's perspective, building brand equity, measuring brand equity, leveraging brand equity, managing brand portfolios and managing brands over time.

0101	Rebecca Hamilton **Meets October 22, 2009 - December 17, 2009** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1333

BA01	Rebecca Hamilton **Meets October 22, 2009 - December 17, 2009** M 6:25pm - 10:00pm	Seats (Total: 35) BA 304
DC06	Rebecca Hamilton **Meets October 31, 2009 - December 19, 2009** Sa 1:45pm - 6:45pm *Meets 10/31, 11/7, 11/21, 12/5, 12/19.*	Seats (Total: 35) DC C2

BUMK717 **Integrated Marketing Communications**

BUMK717 Integrated Marketing Communications; (2 credits) Grade Method: REG. *Prerequisite: BUSI650. For Majors only or permission of department.* Marketing communications are a complex but critical component of marketing strategy. Topics include communication tools: advertising, sales promotions, corporation communications, one-on-one or direct marketing, public relations, internet communications, sponsorship/events marketing, and marketing communcation plans: defining objectives, implementing the plan, and measuring communications effectiveness. Achieving integration in the content, look, and feel of all marketing communications is stressed.

0101	Gabriel Biehal **Meets August 26, 2009 - October 21, 2009** MW 3:00pm - 4:50pm	Seats (Total: 35) VMH 1520
DC01	Gabriel Biehal **Meets October 22, 2009 - December 17, 2009** M 6:25pm - 10:00pm	Seats (Total: 35) DC C4

BUMK721 **Consumer Product Marketing Simulation**

BUMK721 Consumer Product Marketing Simulation; (2 credits) Grade Method: REG/AUD.
Prerequisite: BUSI650. For Majors Only. The objective of the simulation is to place the student in the role of Brand Manager and give hands-on experience making the marketing decisions for an over-the-counter pharmaceutical product. In essence, PharmaSim is a flight simulator for brand managers.

BA01	Diane Whitney	Seats (Total: 35)
	Meets September 2, 2009 - October 21, 2009	
	W 6:25pm - 10:00pm	BA 304

BUMK736 **Service Marketing**

BUMK736 Service Marketing; (2 credits) Grade Method: REG/AUD.
Cannot be repeated for 3 credits. Prerequisite: BUSI 650. Examines special challenges service marketing poses for managers because of the intangible, heterogeneous nature of the product, and the critical role of customer contact employees in service delivery. Strategies for meeting these challanges are addressed. Topics include 1) customer relationship management, 2) the design and execution of the service delivery process, 3) the development and implementation of employee customer service skills, 4) the measurement and management of critical outcome variables, such as customer satisfaction, customer equity, and customer lifetime value, and 5) the role of emerging technology in customer service.

DC01	Janet Wagner	Seats (Total: 35)
	Meets October 22, 2009 - December 17, 2009	
	Tu 6:25pm - 10:00pm	DC C6

BUMK757 **Marketing Strategy**

BUMK757 Marketing Strategy; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits. Prerequisite: BUSI 650. Credit will be granted for only one of the following: BMGT 757 or BUMK 757. Formerly BMGT757. A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

DC06	Diane Whitney **Meets August 29, 2009 - October 17, 2009** Sa 1:40pm - 5:50pm *Meets 8/29, 9/5, 9/19, 9/26, 10/10, 10/17.*	Seats (Total: 35) DC C6
GS01	Gabriel Biehal **Meets October 22, 2009 - December 17, 2009** W 6:25pm - 10:00pm	Seats (Total: 35) SG3 3220

BUMK758P **Special Topics in Marketing; New Product Marketing**

BUMK758P Special Topics in Marketing: New Product Marketing; (2 credits)
Grade Method: REG.

0101	Yogesh Joshi **Meets October 22, 2009 - December 17, 2009** MW 3:00pm - 4:50pm	Seats (Total: 35) VMH 1333
BA01	Yogesh Joshi **Meets October 22, 2009 - December 17, 2009** W 6:25pm - 10:00pm	Seats (Total: 35) BA 730

BUMK759 **Independent Study in Marketing**

BUMK759 *(PermReq)* **Independent Study in Marketing; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO Management and Organization Fall 2009

BUMO714 **Executive Power and Negotiation**

Any remaining seats in BUMO courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUMO course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMAB School of Nursing.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUMO714 Executive Power and Negotiation; (3 credits) Grade Method: REG. *Credit will be granted for only one of the following: BMGT 764 or BUMO 714. Formerly BMGT764.* Negotiations knowledge and skills through a series of readings (the use of power during bargaining exchanges, principles of effective listening, and bargaining strategies and tactics) and through the opportunity to practice negotiating. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

0101	Joyce Russell	Seats (Total: 40)
	Meets September 2, 2009 - December 17, 2009	
	W 9:30am - 12:00pm	VMH 1333

0201	Joyce Russell **Meets August 26, 2009 - December 17, 2009** M 9:30am - 12:00pm *The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 40) VMH 1333
BA01	Jeffrey Kudisch **Meets August 26, 2009 - December 17, 2009** M 7:00pm - 9:40pm *The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 40) BA 150
DC01	Cynthia Stevens **Meets September 2, 2009 - December 17, 2009** W 7:00pm - 9:40pm	Seats (Total: 40) DC C2

BUMO751 **Implementing Strategy: Organizing to Compete**

BUMO751 Implementing Strategy: Organizing to Compete; (3 credits) Grade Method: REG.
Prerequisite: completion of the MBA core requirements or permission of department. Corequisite: BUSI 690. Credit will be granted for only one of the following: BMGT 767 or BUMO 751. Formerly BMGT767. Organizational dynamics of competitive advantage. Impact of alternative organizational structures, planning and control systems, human resource management practices, and executive leadership styles on the implementation of archetypically different strategies.

0101	Michael Lawless **Meets August 26, 2009 - December 17, 2009** M 9:30am - 12:00pm *The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 40) VMH 1520

BA01	Paulo Prochno **Meets August 26, 2009 - December 17, 2009** Th 7:00pm - 9:40pm	Seats (Total: 40) BA 304
GS01	Michael Lawless **Meets August 26, 2009 - December 17, 2009** M 7:00pm - 9:40pm *The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 40) SG3 3202

BUMO756 **Industry and Competitor Analysis**

BUMO756 Industry and Competitor Analysis; (3 credits) Grade Method: REG. *Recommended: BUSI 690. Credit will be granted for only one of the following: BMGT 792 or BUMO 756. Formerly BMGT792.* This industry and competitor analysis seminar provides students with the conceptual framework and analytical tools for understanding the dynamics of industry structure and how competitors actually interact in the marketplace. An understanding of the dynamics of competition and industry evolution is an important input in the development of an effective competitive strategy. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

BA01	Ken Smith **Meets August 26, 2009 - December 17, 2009** Tu 7:00pm - 9:40pm	Seats (Total: 40) BA 150
DC01	Oliver Schlake **Meets August 26, 2009 - December 17, 2009** M 7:00pm - 9:40pm *The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 40) DC C2
GS01	Vinod Jain **Meets August 26, 2009 - December 17, 2009** Th 7:00pm - 9:40pm	Seats (Total: 40) SG3 3202

BUMO758K **Special Topics in Management and Organization; Management Consulting**

BUMO758K Special Topics in Management and Organization: Management Consulting; (2 credits) Grade Method: REG.

0101	Kenneth Gabriel **Meets August 26, 2009 - October 21, 2009** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1520
DC01	Kenneth Gabriel **Meets September 2, 2009 - October 21, 2009** W 6:25pm - 10:00pm	Seats (Total: 40) DC C6
GS01	Mukul Kumar **Meets August 26, 2009 - October 21, 2009** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 35) SG3 4211

BUMO759 **Independent Study in Management and Organization**

BUMO759 *(PermReq)* **Independent Study in Management and Organization; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI Part-Time MBA Program Fall 2009

BUSI610 **Introduction to Financial Accounting**

BUSI610 *(PermReq)* **Introduction to Financial Accounting; (2 credits)** Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BMGT 610 or BUSI 610. Formerly BMGT610. Overview of financial accounting, periodic financial statements and the financial reporting process. Importance of financial statements as information source for creditors and investors and as a means by which managers can communicate information about their firms. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Rebecca Hann **Meets August 26, 2009 - October 21, 2009** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1505
0201	Rebecca Hann **Meets August 26, 2009 - October 21, 2009** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505
BA01	Michael Finch **Meets August 26, 2009 - October 21, 2009** Th 6:25pm - 10:00pm	Seats (Total: 0) BA 106
BA04	Thomas Vermeer **Meets August 29, 2009 - October 10, 2009** W 6:00pm - 10:00pm Sa 8:30am - 12:50pm *Meets 8/29, 9/2, 9/12, 9/16, 9/26, 9/30. Final 10/10.*	Seats (Total: 0) BA 304 BA 304
DC01	Michael Finch **Meets August 26, 2009 - October 21, 2009** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 0) DC C1

DC02	Michael Finch **Meets August 26, 2009 - October 21, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC51	Colin Linsley **Meets August 26, 2009 - October 21, 2009** M 6:25pm - 10:00pm *For MS in Business: Finance Students Only. The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 0) DC C5
GS01	Michael Finch **Meets September 2, 2009 - October 21, 2009** W 6:25pm - 10:00pm	Seats (Total: 0) SGI 220
GS04	Progyan Basu **Meets August 29, 2009 - October 10, 2009** Tu 6:00pm - 10:00pm Sa 8:30am - 12:50pm *Meets 8/29, 9/1, 9/12, 9/15, 9/26, 9/29. Final 10/10.*	Seats (Total: 0) SG3 3241 SG3 3241

BUSI630 **Data Models and Decisions**

BUSI630 *(PermReq)* **Data Models and Decisions; (3 credits)** Grade Method: REG. *For BMGT majors only. Credit will be granted for only one of the following: BMGT 630 or BUSI 630. Formerly BMGT630.* To develop probabilistic and statistical concepts, methods and models through examples motivated by real-life data from business and to stress the role that statistics plays in the managerial decision making process. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Shreevardhan Lele **Meets August 26, 2009 - December 17, 2009** TuTh 2:00pm - 3:15pm	Seats (Total: 0) VMH 1511

0201	Shreevardhan Lele **Meets August 26, 2009 - December 17, 2009** TuTh 3:30pm - 4:45pm	Seats (Total: 0) VMH 1511
BA04	Robert Hoffman **Meets October 14, 2009 - December 19, 2009** W 6:00pm - 10:00pm Sa 8:30am - 12:55pm *Meets 10/14, 10/24, 10/28, 11/7, 11/11, 11/21, 11/25, 12/5, 12/9. Final 12/19.*	Seats (Total: 0) BA 304 BA 304
DC06	Mahesh Kumar **Meets August 29, 2009 - December 19, 2009** Sa 9:00am - 12:45pm *Meets 8/29, 9/5, 9/19, 9/26, 10/10, 10/17, 10/31, 11/7, 11/21, 12/5. Final 12/19.*	Seats (Total: 0) DC C1
GS04	Kislaya Prasad **Meets October 13, 2009 - December 19, 2009** Tu 6:00pm - 10:00pm Sa 8:30am - 12:55pm *Meets 10/13, 10/24, 10/27, 11/7, 11/10, 11/21, 11/24, 12/5, 12/8. Final 12/19.*	Seats (Total: 0) SG3 3202 SG3 3202

BUSI634 **Operations Management**

BUSI634 *(PermReq)* **Operations Management; (2 credits)** Grade Method: REG. *For majors only or permission of department.* Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

BA01	Zhi-Long Chen **Meets September 2, 2009 - October 21, 2009** W 6:25pm - 10:00pm	Seats (Total: 0) BA 106

DC01	Rezzan Ebert **Meets August 26, 2009 - October 21, 2009** M 6:25pm - 10:00pm *The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 0) DC C3
DC02	Rezzan Ebert **Meets August 26, 2009 - October 21, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C3
GS01	Zhi-Long Chen **Meets August 26, 2009 - October 21, 2009** Th 6:25pm - 10:00pm	Seats (Total: 0) SG3 3241

BUSI640 **Financial Management**

BUSI640 *(PermReq)* **Financial Management; (3 credits)** Grade Method: REG. *Corequisites: BUSI 610 and BUSI 630. For BMGT majors only. Credit will be granted for only one of the following: BMGT 640 or BUSI 640. Formerly BMGT640.* Analysis of major corporate financial decisions using a market-oriented framework. Topics include capital budgeting, security portfolio theory, operation and efficiency of financial markets, options pricing, financing decisions, capital structure, payout policy and international finance. Non majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Michael Faulkender **Meets August 26, 2009 - December 17, 2009** TuTh 3:30pm - 4:45pm	Seats (Total: 0) VMH 1505
0201	Michael Faulkender **Meets August 26, 2009 - December 17, 2009** TuTh 2:00pm - 3:15pm	Seats (Total: 0) VMH 1505

BA01	Joseph Perfetti	Seats (Total: 0)
	Meets August 26, 2009 - December 17, 2009	
	M 6:30pm - 9:10pm	BA 106
	The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.	
BA04	Bharat Jain	Seats (Total: 0)
	Meets October 10, 2009 - December 16, 2009	
	W 6:00pm - 10:00pm	BA 304
	Sa 1:30pm - 5:50pm	BA 304
	Meets 10/10, 10/21, 10/24, 11/4, 11/7, 11/18, 11/21, 12/2, 12/5, Final 12/16.	
DC01	Joseph Perfetti	Seats (Total: 0)
	Meets September 2, 2009 - December 17, 2009	
	W 6:30pm - 9:10pm	DC C3
DC02	Haluk Unal	Seats (Total: 0)
	Meets August 26, 2009 - December 17, 2009	
	Th 6:30pm - 9:10pm	DC C3
DC06	Haluk Unal	Seats (Total: 0)
	Meets August 29, 2009 - December 19, 2009	
	Sa 2:15pm - 6:15pm	DC C3
	Meets 8/29, 9/5, 9/19, 9/26, 10/10, 10/17, 10/31, 11/7, 11/21, 12/5. Final 12/19.	
DC51	Gurdip Bakshi	Seats (Total: 0)
	Meets August 26, 2009 - October 21, 2009	
	Tu 6:30pm - 9:30pm	DC C5
	Sa 9:30am - 2:00pm	DC C2
	For MS in Business: Finance Students Only. Meets 9/1, 9/8, 9/12, 9/15, 9/19, 9/22, 9/29, 10/6, 10/13, 10/17, 10/20.	

GS01	Haluk Unal **Meets August 26, 2009 - December 17, 2009** Tu 6:30pm - 9:10pm	Seats (Total: 0) SG3 2230
GS04	Alexander Triantis **Meets October 10, 2009 - December 15, 2009** Tu 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 10/10, 10/20, 10/24, 11/3, 11/7, 11/17, 11/21, 12/1, 12/5. Final 12/15.*	Seats (Total: 0) SG3 3202 Location: TBA

BUSI650 **Marketing Management**

BUSI650 *(PermReq)* **Marketing Management; (2 credits)** Grade Method: REG. *For BMGT majors only. Credit will be granted for only one of the following: BMGT 650 or BUSI 650. Formerly BMGT650.* Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	David Godes **Meets October 22, 2009 - December 17, 2009** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1511
0201	David Godes **Meets October 22, 2009 - December 17, 2009** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1511

BUSI660 **Entrepreneurship and New Ventures**

BUSI660 Entrepreneurship and New Ventures; (2 credits) Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BUMO732 or BUSI660. Provides an introduction to important tools and skills necessary to create and grow a successful new venture. Integrates research findings from a range of different practical and intellectual perspectives, including psychology, sociology, economics, strategic management, and history into practical, hands on lessons for an entrepreneur. Class projects provide the foundations for new, real businesses.

0101	Benjamin Hallen **Meets August 26, 2009 - October 21, 2009** TuTh 9:00am - 10:50am	Seats (Total: 50) VMH 1511
DC06	Benjamin Hallen **Meets August 29, 2009 - October 10, 2009** Sa 8:30am - 1:30pm *Meets 8/29, 9/5, 9/19, 9/26, 10/10.*	Seats (Total: 50) DC C2

BUSI661 **Creativity for Business Leaders and Entrepreneurs**

BUSI661 Creativity for Business Leaders and Entrepreneurs; (2 credits) Grade Method: REG.
For BMGT majors only. Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

DC06	Oliver Schlake **Meets August 29, 2009 - October 10, 2009** Sa 8:30am - 1:30pm *Meets 8/29, 9/5, 9/19, 9/26, 10/10.*	Seats (Total: 50) DC C3

BUSI664 **Leadership and Managing Human Capital**

BUSI664 *(PermReq)* **Leadership and Managing Human Capital; (3 credits)** Grade Method: REG.

For BMGT majors only. Credit will be granted for only one of the following: BUSI662 and BUSI663 or BUSI664. Examines concepts of leadership and human resource management principles. Emphasizes skill building and creating a competitive advantage by creating a culture that develops extraordinary leaders and unleashes employee talent. Topics include leadership, decision making, communication and conflict, work motivation, teams, ensuring legal compliance and leveraging diversity, recruiting, selecting and retaining qualified employees who fit the job and the organization, measuring performance and providing feedback, and managing changes in leadership and HR strategy.

0101	Jeffrey Kudisch **Meets August 31, 2009 - December 17, 2009** Tu 9:30am - 12:10pm *The 11/24 meeting for this section will be held in VMH 1528 at the usua time.*	Seats (Total: 0) VMH 1505
0201	Jeffrey Kudisch **Meets August 31, 2009 - December 17, 2009** Th 9:30am - 12:20pm *Due to the Thanksgiving Holiday this course will not meet 11/26 but will instead meet 11/24 from 9:30am-12:10pm in VMH 1528.*	Seats (Total: 0) VMH 1505
BA01	Karen Wouters **Meets August 26, 2009 - December 17, 2009** Tu 6:30pm - 9:10pm	Seats (Total: 0) BA 106
DC01	Karen Wouters **Meets September 2, 2009 - December 17, 2009** W 6:30pm - 9:10pm	Seats (Total: 0) DC C1
DC02	Karen Wouters **Meets August 26, 2009 - December 17, 2009** Th 6:30pm - 9:10pm	Seats (Total: 0) DC C1

DC06	Gilad Chen **Meets August 29, 2009 - December 19, 2009** Sa 2:00pm - 5:45pm *Meets 8/29, 9/5, 9/19, 9/26, 10/10, 10/17, 10/31, 11/7, 11/21, 12/5. Final 12/19.*	Seats (Total: 0) DC C1
GS01	Gilad Chen **Meets August 26, 2009 - December 17, 2009** M 6:30pm - 9:10pm *The initial class meeting will take place on Wednesday, August 26, 2009 at the usual time and location.*	Seats (Total: 0) SG3 3241

BUSI665 **Integration and Teamwork**

BUSI665 Integration and Teamwork; (2 credits) Grade Method: REG.
For majors only or permission of department. Provides students with the concepts, frameworks, tools and skills necessary for thinking and working in an integrative fashion across functional areas of a business in a team based environment.

0101	Paul Tesluk **Meets August 26, 2009 - December 17, 2009** TuTh 1:00pm - 3:20pm	Seats (Total: 126) VMH 1528

BUSI681 **Managerial Economics and Public Policy**

BUSI681 *(PermReq)* **Managerial Economics and Public Policy; (2 credits)** Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BMGT 681 or BUSI 681. Formerly BMGT681. Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Rachelle Sampson **Meets August 26, 2009 - October 21, 2009** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1511
0201	Rachelle Sampson **Meets August 26, 2009 - October 21, 2009** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1511
BA01	Charles Olson **Meets October 22, 2009 - December 17, 2009** Th 6:25pm - 10:00pm	Seats (Total: 0) BA 106
BA04	David Riker **Meets August 26, 2009 - October 7, 2009** W 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 8/26, 8/29, 9/9, 9/12, 9/23, 9/26. Final 10/7.*	Seats (Total: 0) BA 304 BA 304
DC01	David Riker **Meets October 22, 2009 - December 17, 2009** M 6:25pm - 10:00pm	Seats (Total: 0) Location: TBA
DC02	William Huneke **Meets October 22, 2009 - December 17, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C1
GS01	Charles Olson **Meets October 22, 2009 - December 17, 2009** W 6:25pm - 10:00pm	Seats (Total: 0) SGI 220

GS04	Jahangir Boroumand **Meets August 25, 2009 - October 6, 2009** Tu 6:00pm - 10:00pm Sa 1:30pm - 5:50pm *Meets 8/25, 8/29, 9/8, 9/12, 9/22, 9/26. Final 10/6.*	Seats (Total: 0) SG3 3241 SG3 3241

BUSI690 **Strategic Management**

BUSI690 *(PermReq)* **Strategic Management; (2 credits)** Grade Method: REG. *Prerequisites: BMGT 620, BMGT 640, BMGT 650, BMGT 681 and BMGT 683. For BMGT majors only. Credit will be granted for only one of the following: BMGT 690 or BUSI 690. Formerly BMGT690.* Integrative strategic management focusing on strategy formulation and implementation in domestic and global settings. Industry and competitor analysis, industry and firm value chain, leadership, goal setting, organizational structure and culture. Case study approach to top management and organizational problems. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Rafael Corredoira **Meets October 22, 2009 - December 17, 2009** W 6:25pm - 10:00pm	Seats (Total: 0) BA 106
DC01	Rafael Corredoira **Meets October 22, 2009 - December 17, 2009** M 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Rafael Corredoira **Meets October 22, 2009 - December 17, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Anil Gupta **Meets October 17, 2009 - December 19, 2009** Sa 8:30am - 1:30pm *Meets 10/17, 10/31, 11/7, 11/21, 12/5. Final 12/19.*	Seats (Total: 0) DC C3

GS01	Judith Gebhardt **Meets October 22, 2009 - December 17, 2009** Th 6:25pm - 10:00pm	Seats (Total: 0) Location: TBA

BUSI698 **MBA Consulting Project**

BUSI698 MBA Consulting Project; (3-6 credits) Grade Method: REG/AUD.

0101	Charles Olson Contact instructor or department for details.	Seats (Total: 7)

BUSI698D **MBA Consulting Project; New Market Growth Fund**
Contact department for information to register for this course.

BUSI758G **Special Topics in Business; Communications**

BUSI758G *(PermReq)* **Special Topics in Business: Communications; (2 credits)** Grade Method: REG.

GS06	Ronni Burns **Meets November 21, 2009 - December 19, 2009** Sa 8:30am - 5:00pm *For MS in Accounting Students Only. Meets 11/21 (1:00-5:00), 12/5, 12/12, 12/19.*	Seats (Total: 0) SG3 3220

BUSI758T **Special Topics in Business; Technology Law**

BUSI758T Special Topics in Business: Technology Law; (1 credit) Grade Method: REG.

0101	Michael Oblon Tu 6:00pm - 8:00pm	Seats (Total: 35) CSI 2120

BUSI758V **Special Topics in Business; Ethics**

BUSI758V *(PermReq)* **Special Topics in Business: Ethics; (3 credits)** Grade Method: REG/AUD.

GS06	James McKinney	Seats (Total: 0)
	Meets September 12, 2009 - November 21, 2009	
	Sa 1:00pm - 5:00pm	SG3 2230
	For MS in Accounting Students Only. Meets 9/12, 9/26, 10/3, 10/10, 10/17, 10/24, 10/31, 11/7, 11/14. Final 11/21.	

BUSI759 **Independent Study in Business**

BUSI759 *(PermReq)* **Independent Study in Business; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI761 **The Environment of International Business**

BUSI761 The Environment of International Business; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BMGT 794 or BUSI 761. Formerly BMGT794. The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Peter Morici	Seats (Total: 40)
	Meets September 12, 2009 - October 11, 2009	
	SaSu 8:30am - 6:30pm	BA 150
	Meets Saturdays and Sundays 9/12, 9/13, 10/10, 10/11.	

BUSI771 **New Venture Financing**

BUSI771 New Venture Financing; (3 credits) Grade Method: REG/AUD.
Prerequisite: BUSI 640 or permission of department. Credit will be granted for only one of the following: BMGT 740 or BUSI 771. Formerly BMGT740. Development of skills for financing new ventures (both small and potentially large). Exploration of various funding sources. Criteria used in evaluation and decision process, including commercial banks, venture capital companies, small business investment companies, underwriters, private placement-financial consultants, mortgage bankers, and small business innovative research grants (U.S. Government). Topics will include: methods of financing, techniques for valuing new businesses, financial structure, and evaluation methods used by investors and lenders.

BA01	Michael Lawless **Meets August 26, 2009 - December 17, 2009** Tu 7:00pm - 9:40pm	Seats (Total: 40) BA 304
DC06	Jonathan Aberman **Meets August 29, 2009 - December 19, 2009** Sa 8:15am - 1:00pm *Meets 8/29, 9/12, 9/26, 10/10, 10/24, 11/7, 11/21, 12/5. Final 12/19.*	Seats (Total: 40) DC C4

BUSI785 **Project Management in Dynamic Environments**

BUSI785 Project Management in Dynamic Environments; (2 credits) Grade Method: REG/AUD.
For majors only or permission of department. Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

0101	Barnet Corwin **Meets August 26, 2009 - October 21, 2009** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1415
GS01	Barnet Corwin **Meets October 22, 2009 - December 17, 2009** W 6:25pm - 10:00pm	Seats (Total: 35) SG3 4211

BUSI788C **Introduction to Global Business Experience; Doing Business in China: Maintaining Culture through Rapid Growth**

BUSI788C Introduction to Global Business Experience: Doing Business in China: Maintaining Culture through Rapid Growth; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798C). Click here for more information.

BA01	Gurdip Bakshi	Seats (Total: 35)
	Contact instructor or department for details.	

BUSI788E **Introduction to Global Business Experience; Doing Business in the EU: EU vs. US Approach to Energy Infrastructure Investment**

BUSI788E Introduction to Global Business Experience: Doing Business in the EU: EU vs. US Approach to Energy Infrastructure Investment; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798E). Click here for more information.

BA01	Robert Krapfel	Seats (Total: 35)
	Contact instructor or department for details.	

BUSI788G **Introduction to Global Business Experience; Doing Business in India: Competitive Advantage through an India Strategy**

BUSI788G Introduction to Global Business Experience: Doing Business in India: Competitive Advantage through an India Strategy; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798G). Click here for more information.

BA01	Sunil Mithas	Seats (Total: 35)
	Contact instructor or department for details.	

BUSI788M **Introduction to Global Business Experience; Doing Business in the Middle East: Managing Mega Project**

BUSI788M Introduction to Global Business Experience: Doing Business in the Middle East: Managing Mega Project; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798M). Click here for more information.

BA01	Hassan Ibrahim	Seats (Total: 35)
	Contact instructor or department for details.	

BUSI788R **Introduction to Global Business Experience; Doing Business in Costa Rica: Business Aspects of Public Health**

BUSI788R Introduction to Global Business Experience: Doing Business in Costa Rica: Business Aspects of Public Health; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for for the associated Winter travel course (BUSI798R). Click here for more information.

BA01	Melissa Carrier	Seats (Total: 35)
	Contact instructor or department for details.	

BUSI799 **Masters Thesis Research**

BUSI799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
For Smith School MS Students only.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Fall 2009

CBMG688A **Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

CBMG688A Special Topics in Cell Biology and Molecular Genetics: Research Experiences; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano	Seats (Total: 20)
	Tu 12:00pm - 3:00pm	MCB 2119

CBMG688D **Special Topics in Cell Biology and Molecular Genetics; Genetics: Cell Biology I - Structure and Function**

CBMG688D Special Topics in Cell Biology and Molecular Genetics: Genetics: Cell Biology I - Structure and Function; (2 credits) Grade Method: REG/AUD.

0101	Wenxia Song **Meets August 31, 2009 - October 18, 2009** TuTh 4:00pm - 6:00pm	Seats (Total: 30) MCB 1207

CBMG688E **Special Topics in Cell Biology and Molecular Genetics; Genetics: Cell Biology II - Signal Transduction**

CBMG688E Special Topics in Cell Biology and Molecular Genetics: Genetics: Cell Biology II - Signal Transduction; (2 credits) Grade Method: REG/AUD.

0101	June Kwak **Meets October 19, 2009 - December 11, 2009** TuTh 4:00pm - 6:00pm	Seats (Total: 30) MCB 1207

CBMG688J **Special Topics in Cell Biology and Molecular Genetics; Genetics: Immunology and Host Defense**

CBMG688J Special Topics in Cell Biology and Molecular Genetics: Genetics: Immunology and Host Defense; (2 credits) Grade Method: REG/AUD.

0101	Kenneth Frauwirth, David Mosser **Meets August 31, 2009 - October 18, 2009** MW 4:00pm - 6:00pm	Seats (Total: 20) MCB 2119

CBMG688K **Special Topics in Cell Biology and Molecular Genetics; Genetics: Molecular Virology**

CBMG688K Special Topics in Cell Biology and Molecular Genetics: Genetics: Molecular Virology; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano **Meets October 19, 2009 - December 11, 2009** MW 4:00pm - 6:00pm	Seats (Total: 20) HJP 1216

CBMG688M **Special Topics in Cell Biology and Molecular Genetics; Genetics: Microbial Genetics**

CBMG688M Special Topics in Cell Biology and Molecular Genetics: Genetics: Microbial Genetics; (2 credits) Grade Method: REG/AUD.

0101	Daniel Stein **Meets October 19, 2009 - December 11, 2009** MW 8:00am - 10:00am	Seats (Total: 20) MCB 2119

CBMG688V **Special Topics in Cell Biology and Molecular Genetics; Virology Program**

CBMG688V Special Topics in Cell Biology and Molecular Genetics: Virology Program; (2 credits) Grade Method: REG/AUD.

0101	Brenda Fredericksen F 3:00pm - 5:00pm	Seats (Total: 20) MCB 1207

CBMG688W **Special Topics in Cell Biology and Molecular Genetics; Principles of Microscopy.**

CBMG688W Special Topics in Cell Biology and Molecular Genetics: Principles of Microscopy.; (2 credits) Grade Method: REG/AUD.

0101	Stephen Wolniak MW 8:00am - 9:00am	Seats (Total: 10) HJP 2226

CBMG688Z **Special Topics in Cell Biology and Molecular Genetics; Genetics: Teaching Science**

CBMG688Z Special Topics in Cell Biology and Molecular Genetics: Genetics: Teaching Science; (1 credit) Grade Method: REG/AUD.

0101	Patricia Shields Tu 6:00pm - 8:00pm	Seats (Total: 30) BPS 1208

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

CBMG699 Special Problems in Cell Biology and Molecular Genetics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG699D **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

CBMG699D Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Bioinformatics and Computation Biology; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount	Seats (Total: 20)
	Th 2:00pm - 3:00pm	BSB 3118

CBMG699T **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Genetics of Eukaryotic Model Systems**

CBMG699T Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Genetics of Eukaryotic Model Systems; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount	Seats (Total: 20)
	F 3:30pm - 6:00pm	BRB 3101

CBMG699X **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

CBMG699X Special Problems in Cell Biology and Molecular Genetics: Host Pathogen Interactions; (1 credit) Grade Method: REG/AUD.

0101	David Mosser	Seats (Total: 20)
	F 9:00am - 10:30am	MCB 2119

CBMG699Y **Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology Journal Club**

CBMG699Y Special Problems in Cell Biology and Molecular Genetics: Plant Cell Biology Journal Club; (1 credit) Grade Method: REG/AUD.

0101	Zhongchi Liu	Seats (Total: 20)
	M 12:00pm - 1:00pm	HJP 1216

CBMG699Z **Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

CBMG699Z Special Problems in Cell Biology and Molecular Genetics: Protein Translation; (1 credit) Grade Method: REG/AUD.

0101	Jonathan Dinman	Seats (Total: 20)
	F 9:30am - 10:30am	MCB 1121

CBMG789 **Seminar in Cell Biology and Molecular Genetics**

CBMG789 Seminar in Cell Biology and Molecular Genetics; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano	Seats (Total: 20)
	F 12:00pm - 2:00pm	HJP 2242

CBMG799 **Masters Thesis Research**

CBMG799 Masters Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG898 **Pre-Candidacy Research**

CBMG898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

CBMG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS Criminology and Criminal Justice Fall 2009

CCJS100 **Introduction to Criminal Justice**

CCJS100 Introduction to Criminal Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CJUS100. Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0101	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	Discussion
0102	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	Discussion
0103	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	Discussion
0104	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 9:00am - 9:50am	Seats (Total: 30) TYD 0130 ONLINE LEF 1201	Discussion
0105	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 10:00am - 10:50am	Seats (Total: 30) TYD 0130 ONLINE COL 3112	Discussion
0106	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 11:00am - 11:50am	Seats (Total: 30) TYD 0130 ONLINE COL 0113	Discussion
0107	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE HBK 0123	Discussion
0108	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 10:00am - 10:50am	Seats (Total: 30) TYD 0130 ONLINE KEY 0121	Discussion

0109	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE HBK 0123	Discussion
0110	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ONLINE TLF 1101	Discussion
0111	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Th 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE JMZ 0103	Discussion
0112	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Th 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 ONLINE JMZ 2123	Discussion
0113	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ONLINE TLF 1101	Discussion
0114	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Th 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ONLINE KEY 0121	Discussion
0201	Arnett Gaston Tu 3:00pm - 3:50pm Contact instructor or department for details. M 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 KEY 0121	Discussion
0202	Arnett Gaston Tu 3:00pm - 3:50pm Contact instructor or department for details. W 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 TYD 1108	Discussion

0203	Arnett Gaston Tu 3:00pm - 3:50pm Contact instructor or department for details. M 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 HBK 0123	Discussion
0204	Arnett Gaston Tu 3:00pm - 3:50pm Contact instructor or department for details. W 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 KEY 0123	Discussion
0301	Alexis Piquero TuTh 2:00pm - 3:15pm	Seats (Total: 50) TYD 1118	

CCJS100H **Introduction to Criminal Justice**

CCJS100H *(PermReq)* **Introduction to Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CJUS100. For general honors students only.

0101	Arnett Gaston M 4:00pm - 4:50pm Contact instructor or department for details. M 5:00pm - 5:50pm	Seats (Total: 25) TYD 0130 TYD 2110	Discussion

CCJS105 **Introduction to Criminology**

CCJS105 Introduction to Criminology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CRIM220. Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Jennifer Gibbs MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 30) SKN 0200 LEF 1201	Discussion
0102	Jennifer Gibbs MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 30) SKN 0200 LEF 1201	Discussion

0103	Jennifer Gibbs MW 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0104	Jennifer Gibbs MW 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 TLF 1103	Discussion
0105	Jennifer Gibbs MW 10:00am - 10:50am Tu 3:00pm - 3:50pm	Seats (Total: 30) SKN 0200 TLF 1103	Discussion
0106	Jennifer Gibbs MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0107	Jennifer Gibbs MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0108	Jennifer Gibbs MW 10:00am - 10:50am Th 12:00pm - 12:50pm	Seats (Total: 30) SKN 0200 HBK 0123	Discussion
0109	Jennifer Gibbs MW 10:00am - 10:50am Th 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 ARM 0105	Discussion
0110	Jennifer Gibbs MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0201	Cortney Fisher TuTh 12:30pm - 1:20pm M 10:00am - 10:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0202	Cortney Fisher TuTh 12:30pm - 1:20pm M 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 TYD 2110	Discussion

0203	Cortney Fisher TuTh 12:30pm - 1:20pm Tu 10:00am - 10:50am	Seats (Total: 30) SKN 0200 COL 0102	Discussion
0204	Cortney Fisher TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0205	Cortney Fisher TuTh 12:30pm - 1:20pm W 10:00am - 10:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0206	Cortney Fisher TuTh 12:30pm - 1:20pm W 12:00pm - 12:50pm	Seats (Total: 30) SKN 0200 TYD 0101	Discussion
0207	Cortney Fisher TuTh 12:30pm - 1:20pm Th 9:00am - 9:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0208	Cortney Fisher TuTh 12:30pm - 1:20pm Th 10:00am - 10:50am	Seats (Total: 30) SKN 0200 JMZ 0122	Discussion
0209	Cortney Fisher TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 PHY 1402	Discussion
0210	Cortney Fisher TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 30) SKN 0200 TYD 2110	Discussion
FC01	Jennifer Varriale MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) HBK 0108	
FC02	Weiwei Liu MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) HBK 0103	

CCJS200 **Statistics for Criminology and Criminal Justice**

CCJS200 *(PermReq)* **Statistics for Criminology and Criminal Justice; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 or CCJS105, and MATH111 with a grade of C or higher. Restricted to CCJS majors. All others require permission. Permission must be obtained from the CCJS Advising Office. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, and SOCY201. Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0101	Brian Johnson MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 30) TYD 0117 HBK 1108	 Discussion
0102	Brian Johnson MW 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 30) TYD 0117 HBK 0115	 Discussion
0103	Brian Johnson MW 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0117 JRN 1105	 Discussion
0201	Raymond Paternoster TuTh 12:30pm - 1:45pm Th 2:00pm - 2:50pm	Seats (Total: 35) TYD 0130 LEF 1220	 Discussion
0202	Raymond Paternoster TuTh 12:30pm - 1:45pm Th 3:00pm - 3:50pm	Seats (Total: 35) TYD 0130 LEF 1220	 Discussion
0203	Raymond Paternoster TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 35) TYD 0130 TYD 2109	 Discussion
0204	Raymond Paternoster TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 35) TYD 0130 TYD 2109	 Discussion

0205	Raymond Paternoster TuTh 12:30pm - 1:45pm Th 10:00am - 10:50am	Seats (Total: 30) TYD 0130 LEF 1220	 Discussion
0206	Raymond Paternoster TuTh 12:30pm - 1:45pm Th 11:00am - 11:50am	Seats (Total: 30) TYD 0130 JMZ 2123	 Discussion

CCJS230 **Criminal Law in Action**

CCJS230 *(PermReq)* **Criminal Law in Action; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100. Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0101	Christine Roberts White MWF 11:00am - 11:50am	Seats (Total: 180) JMZ 0220
0201	Russell Hamill Tu 4:00pm - 6:45pm	Seats (Total: 175) LEF 2205

CCJS234 **Law of Criminal Investigation**

CCJS234 *(PermReq)* **Law of Criminal Investigation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

0101	David Salem TuTh 8:00am - 9:15am	Seats (Total: 200) TYD 0130

CCJS300 **Criminological and Criminal Justice Research Methods**

CCJS300 *(PermReq)* **Criminological and Criminal Justice Research Methods; (3 credits)** Grade Method: REG.
Prerequisites: CCJS100 and CCJS105; and one of the following: CCJS200 or SOCY201 or PSYC200 or ECON321 or BMGT230. Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks MWF 9:00am - 9:50am	Seats (Total: 60) TYD 2111
0201	Laure Brooks MWF 11:00am - 11:50am	Seats (Total: 60) LEF 2166
0301	Alan Lehman TuTh 12:30pm - 1:45pm	Seats (Total: 60) SQH 1119
0401	Alan Lehman TuTh 11:00am - 12:15pm	Seats (Total: 60) MCB 1207
SG91	Stephanie Gerstenblith TuTh 11:00am - 12:15pm *This section meets at Universities at Shady Grove.*	Seats (Total: 40) SG3 3220

CCJS310 **Criminal Investigations**

CCJS310 Criminal Investigations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in detection, investigation, and solution of crime. Students will be taught basic and advanced investigative techniques utilized by law enforcement agencies. Analysis of actual cases will be used to demonstrate practical uses of these techniques. This section meets at Universities at Shady Grove.

SG91	Mark Janney MW 9:30am - 10:45am *Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.*	Seats (Total: 30) SGII 3012
SG92	Susan Clutter W 5:00pm - 7:45pm *This section meets at the Universities at Shady Grove.*	Seats (Total: 40) SG3 4219

CCJS320 **Introduction to Criminalistics**

CCJS320 *(PermReq)* **Introduction to Criminalistics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph. Students will be separated into lab groups on Mondays and Wednesdays between 6 p.m. and 8:45 p.m. Students intending to take this course will need to leave these days and times available. Actual meeting days may vary.

0101	Thomas Mauriello	Seats (Total: 45)	
	MW 6:00pm - 7:15pm	MMH 1400	
	MW 6:00pm - 7:15pm	MMH 2401	Lab
0201	Thomas Mauriello	Seats (Total: 45)	
	MW 7:30pm - 8:45pm	MMH 1400	
	MW 7:30pm - 8:45pm	MMH 2401	Lab

CCJS330 **Contemporary Criminological Issues**

CCJS330 *(PermReq)* **Contemporary Criminological Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105. Topics may include career criminals, prison overcrowding, prediction, ecological studies of crimes, family and delinquency, entrepreneurship in criminal justice and criminology, and similar criminological problems.

0201	Matthew Fleming	Seats (Total: 50)
	M 4:00pm - 6:45pm	KEY 0102

CCJS331 **Contemporary Legal Policy Issues**

CCJS331 *(PermReq)* **Contemporary Legal Policy Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. In-depth examination of selected topics. Criminal responsibility. Socio-legal policy alternatives with regard to deviance. Law enforcement procedures for civil law and similar legal problems. Admissibility of evidence. Representation. Indigent's right to counsel.

0101	Alvin Zumbrun TuTh 11:00am - 12:15pm	Seats (Total: 75) SYM 0200

CCJS340 **Concepts of Law Enforcement Administration**

CCJS340 *(PermReq)* **Concepts of Law Enforcement Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 or equivalent. An introduction to concepts of organization and management as these relate to law enforcement. Principles of structure, process, policy and procedure, communication and authority, division of work and organizational controls. Human element in the organization. Informal interaction and bureaucracy.

0101	Laure Brooks MWF 10:00am - 10:50am	Seats (Total: 100) TYD 0117
0201	John Foust Tu 6:00pm - 8:45pm	Seats (Total: 180) JMZ 0220
SG91	Marvin Thomas, Luther Reynolds M 9:30am - 12:15pm *This section meets at Universities at Shady Grove.*	Seats (Total: 40) SG3 2226

CCJS350 **Juvenile Delinquency**

CCJS350 *(PermReq)* **Juvenile Delinquency; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

0101	Christine Roberts White MWF 9:00am - 9:50am	Seats (Total: 220) SKN 0200
0201	Jay Horner TuTh 11:00am - 12:15pm	Seats (Total: 141) CSI 1115
SG91	Christine Roberts White TuTh 9:30am - 10:45am *This section meets at Universities at Shady Grove.*	Seats (Total: 40) SG3 3206

CCJS352 **Drugs and Crime**

CCJS352 *(PermReq)* **Drugs and Crime; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS100.* An analysis of the role of criminal justice in the control of drug use and abuse.

0201	Arnett Gaston MW 11:00am - 12:15pm	Seats (Total: 100) TYD 0117
0301	Christine Roberts White MWF 12:00pm - 12:50pm	Seats (Total: 100) PLS 1140

CCJS359 **Field Training in Criminology and Corrections**

CCJS359 *(PermReq)* **Field Training in Criminology and Corrections; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: (CCJS 105 or CRIM 220) and (CCJS 350 or CRIM 450), majors only, and permission of department.

Contact department for information to register for this course.

CCJS360 **Victimology**

CCJS360 *(PermReq)* **Victimology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS105.* Overview of the history and theory of victimology. Analysis of victimization patterns with special emphasis on types of victims and crimes. The interaction between victims of crime and the criminal justice system with respect to the role of the victim and the services offered to the victim.

0101	Cortney Fisher TuTh 9:30am - 10:45am *Department permission required.*	Seats (Total: 150) MMH 1400
SG91	Felicia Kolodner W 9:30am - 12:15pm *This section meets at Universities at Shady Grove.*	Seats (Total: 40) SG3 2206

CCJS386 **Experiential Learning**

CCJS386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CCJS388H **Independent Reading Course in Criminology and Criminal Justice**

CCJS388H *(PermReq)* **Independent Reading Course in Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
Permission only. For department Honors Students only.

0101	Jean McGloin W 2:00pm - 4:45pm	Seats (Total: 20) ASY 3217

CCJS389H **Independent Research in Criminology and Criminal Justice**

CCJS389H *(PermReq)* **Independent Research in Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
For Department Honors Students Only.

0101	Jean McGloin M 12:30pm - 3:15pm	Seats (Total: 10) LEF 2207

CCJS398 **Law Enforcement Field Training**

CCJS398 *(PermReq)* **Law Enforcement Field Training; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: junior standing. Majors only.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

CCJS399 *(PermReq)* **Independent Study in Criminology and Criminal Justice; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

Contact department for information to register for this course.

CCJS399C **Independent Study in Criminology and Criminal Justice; Leading Constitutional Cases Dealing With the Field of Corrections**

CCJS399C *(PermReq)* **Independent Study in Criminology and Criminal Justice: Leading Constitutional Cases Dealing With the Field of Corrections; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite:CCJS 100 or CCJS 105. Not open to students who have completed CCJS288C "Contemporary Case Law"

0101	Alvin Zumbrun	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	TYD 1108

CCJS432 **Law of Corrections**

CCJS432 *(PermReq)* **Law of Corrections; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: CCJS100, CCJS105, CCJS230, and CCJS300.* A review of the law of criminal corrections from sentencing to final release or release on parole. Probation, punishments, special treatments for special offenders, parole and pardon, and the prisoner's civil rights are also examined.

0101	Alvin Zumbrun	Seats (Total: 75)
	TuTh 12:30pm - 1:45pm	SYM 0200

CCJS451 **Crime and Delinquency Prevention**

CCJS451 *(PermReq)* **Crime and Delinquency Prevention; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Methods and programs in prevention of crime and delinquency.

0101	Hanno Petras	Seats (Total: 96)
	TuTh 2:00pm - 3:15pm	TWS 1100

CCJS452 **Treatment of Criminals and Delinquents**

CCJS452 *(PermReq)* **Treatment of Criminals and Delinquents; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Processes and methods used to modify criminal and delinquent behavior.

0101	Arnett Gaston	Seats (Total: 100)
	MW 2:00pm - 3:15pm	TYD 0117

CCJS454 **Contemporary Criminological Theory**

CCJS454 *(PermReq)* **Contemporary Criminological Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105; and CCJS300; and CCJS350. Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

0101	Eileen Ahlin	Seats (Total: 80)
	Th 6:00pm - 8:45pm	LEF 2166

CCJS457 **Comparative Criminology and Criminal Justice**

CCJS457 *(PermReq)* **Comparative Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350; and CCJS300. Comparison of law and criminal justice systems in different countries. Special emphasis on the methods of comparative legal analysis, international cooperation in criminal justice, and crime and development.

SG91	Nicole Romeiser	Seats (Total: 40)
	MW 12:30pm - 1:45pm	SG3 3225
	This section meets at Universities at Shady Grove.	

CCJS498O **Selected Topics in Criminology and Criminal Justice; Overview of Federal Law Enforcement Agencies**

CCJS498O *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Overview of Federal Law Enforcement Agencies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS 100 and CCJS 340

0101	Thomas Bonnar	Seats (Total: 60)
	M 6:00pm - 8:45pm	LEF 2166

CCJS498Z **Selected Topics in Criminology and Criminal Justice; Security Administration**

CCJS498Z *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Security Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Formerly: CCJS498S. Credit will be granted for CCJS498S or CCJS498Z.
Prerequisite: CCJS 100 and CCJS 340

0101	Barry Smith	Seats (Total: 50)
	W 6:00pm - 8:45pm	LEF 2205

CCJS600 **Criminal Justice**

CCJS600 Criminal Justice; (3 credits) Grade Method: REG/AUD.
Prerequisites: admission to the graduate program in criminal justice or permission of department. Formerly CJUS600. Current concept of criminal justice in relationship to other concepts in the field. Historical perspective. Criminal justice and social control. Operational implications. Systemic aspects. Issues of evaluation.

0101	Alexis Piquero	Seats (Total: 40)
	Tu 4:00pm - 6:45pm	TYD 2108

CCJS604 **Policy Analysis Project**

CCJS604 *(PermReq)* **Policy Analysis Project; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS605 **Program Evaluation for Criminal Justice**
Contact department for information to register for this course.

CCJS611 **Statistical Tools for Criminal Justice**
Contact department for information to register for this course.

CCJS620 **Fundamentals of Criminological Research**

CCJS620 Fundamentals of Criminological Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: CCJS498D or CCJS620. Formerly CCJS498D. Designed to help criminology students understand and apply three important components of statistics: decriptive statistics (including probability theory), fundamentals of statistical inference, and regression analysis. Course assumes familiarity with basic descriptive statistics. The emphasis of the classes on descriptive statistics is the calculation and interpretation of summary statistical measures for describing raw data. Covers the basic rules of probability and different probabilistic processes that could describe criminal activity. The sessions on fundamentals of statistical inferences are designed to provide background for executing and interpreting hypothesis tests and confidence intervals. The latter portion of the course focuses on regession analysis. Uses the statistical software, Stata.

0101	Laura Dugan	Seats (Total: 35)
	Th 4:00pm - 6:45pm	TYD 1114

CCJS661 **Crime and the Life Course**

CCJS661 *(PermReq)* **Crime and the Life Course; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: CCJS699J or CCJS661. Formerly CCJS699J. Designed to provide an intensive examination of crime and the life course. Life course is examined as a theoretical orientation, a research methodology, and an empirical field of study with special reference to crime and deviance. Course includes development of criminal behavior and criminal careers; stability and change in criminal behavior across developmental stages; trajectories, transitions, and turning points through life; quantitative and qualitative approaches to studying crime and the life course; and social change and its link to individual lives.

0101	John Laub	Seats (Total: 20)
	Tu 4:00pm - 6:45pm	SQH 1119

CCJS670 **Race, Crime, and Criminal Justice**

CCJS670 Race, Crime, and Criminal Justice; (3 credits) Grade Method: REG/AUD. Provides an historical overview of the operation and evolution of the criminal justice system and the impact of race. How race affects definitions of crime and criminality, the workings of the criminal justice system, the development of criminological theory, and the role of criminal justice ethics in the study of race and crime will be considered.

0101	Brian Johnson	Seats (Total: 20)
	W 4:00pm - 6:45pm	LEF 1222

CCJS678J **Advanced Topics in Criminology and Criminal Justice; Jurisprudence**
Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

CCJS699 Special Criminological Problems; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS699R **Special Criminological Problems; Policy Research Methods in Criminology**

CCJS699R Special Criminological Problems: Policy Research Methods in Criminology; (1-3 credits) Grade Method: REG/AUD.

0101	Peter Reuter	Seats (Total: 15)
	M 4:00pm - 6:45pm	LEF 1221

CCJS710 **Advanced Research Methods in Criminology**

CCJS710 Advanced Research Methods in Criminology; (3 credits) Grade Method: REG/AUD.
Prerequisite: approved doctoral level statistics course. Formerly CRIM710. Application of advanced research methods and data analysis strategies to criminological and criminal justice problems.

0101	Hanno Petras	Seats (Total: 17)
	Th 4:00pm - 6:45pm	LEF 1201

CCJS799 **Master's Thesis Research**

CCJS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS898 **Pre-Candidacy Research**

CCJS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

CCJS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM Chemistry Fall 2009

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Registration in course sections which begin with "SEF*" are restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.

CHEM131 Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG.

CORE Physical Science Lab (PL) course only when taken concurrently wit CHEM 132. Prerequisite: Math eligibility of MATH111 or higher. Corequisite: CHEM132. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM103. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

1121	Andrei Vedernikov MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 41) CHM 1407 CHM 2201	 Discussion
1122	Andrei Vedernikov MWF 8:00am - 8:50am Tu 9:30am - 10:20am	Seats (Total: 41) CHM 1407 CHM 2201	 Discussion
1125	Andrei Vedernikov MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 41) CHM 1407 CHM 2201	 Discussion
1141	Andrei Vedernikov MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 21) CHM 1407 CHM 2201	 Discussion
1142	Andrei Vedernikov MWF 8:00am - 8:50am Th 9:30am - 10:20am	Seats (Total: 41) CHM 1407 CHM 2201	 Discussion

1145	Andrei Vedernikov MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	Seats (Total: 41) CHM 1407 CHM 2201	Discussion
1221	Bonnie Dixon MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 41) CHM 1407 CHM 0119	Discussion
1222	Bonnie Dixon MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 21) CHM 1407 CHM 0119	Discussion
1224	Bonnie Dixon MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 41) CHM 1407 CHM 0119	Discussion
1242	Bonnie Dixon MWF 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 41) CHM 1407 CHM 0119	Discussion
1245	Bonnie Dixon MWF 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 21) CHM 1407 CHM 0119	Discussion
1247	Bonnie Dixon MWF 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 21) CHM 1407 CHM 0119	Discussion
1325	Bryan Eichhorn MWF 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 41) CHM 1407 CHM 0128	Discussion
1327	Bryan Eichhorn MWF 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 21) CHM 1407 CHM 0128	Discussion
1328	Bryan Eichhorn MWF 11:00am - 11:50am Tu 3:30pm - 4:20pm	Seats (Total: 41) CHM 1407 CHM 0128	Discussion

1345	Bryan Eichhorn MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 41) CHM 1407 CHM 0128	Discussion
1347	Bryan Eichhorn MWF 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 41) CHM 1407 CHM 0128	Discussion
1348	Bryan Eichhorn MWF 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 41) CHM 1407 CHM 0128	Discussion
1525	Lee Friedman MWF 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 41) CHM 1407 CHM 0127	Discussion
1527	Lee Friedman MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 41) CHM 1407 CHM 0127	Discussion
1528	Lee Friedman MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 21) CHM 1407 CHM 0127	Discussion
1545	Lee Friedman MWF 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 41) CHM 1407 CHM 0127	Discussion
1547	Lee Friedman MWF 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 41) CHM 1407 CHM 0127	Discussion
1548	Lee Friedman MWF 1:00pm - 1:50pm Th 3:30pm - 4:20pm	Seats (Total: 41) CHM 1407 CHM 0127	Discussion
SEF1	Eddie Chang M 6:30pm - 9:30pm W 6:30pm - 7:30pm	Seats (Total: 24) CHM 1402 CHM 0124	Discussion

CHEM131S Chemistry I - Fundamentals of General Chemistry

CHEM131S Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG.
CORE Physical Science Lab (PL) course only when taken concurrently wit CHEM 132. Prerequisite: Math eligibility of MATH111 or higher. Corequisite: CHEM132. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM103. Restricted to College Park Scholars - Life Sciences.

1141	Andrei Vedernikov MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 20) CHM 1407 CHM 2201	Discussion
1247	Bonnie Dixon MWF 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0119	Discussion
1327	Bryan Eichhorn MWF 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0128	Discussion
1528	Lee Friedman MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 20) CHM 1407 CHM 0127	Discussion

CHEM131U **Chemistry I - Fundamentals of General Chemistry**

CHEM131U Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG.
CORE Physical Science Lab (PL) course only when taken concurrently wit CHEM 132. Prerequisite: Math eligibility of MATH111 or higher. Corequisite: CHEM132. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM103.

1222	Bonnie Dixon MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 0) CHM 1407 CHM 0119	Discussion
1245	Bonnie Dixon MWF 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 0) CHM 1407 CHM 0119	Discussion

CHEM132 **General Chemistry I Laboratory**

CHEM132 General Chemistry I Laboratory; (1 credit) Grade Method: REG. *CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.* Introduction to the quanitification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 laboratory materials fee.

1122	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1111	Lab
1123	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1112	Lab
1131	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	Lab
1134	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1110	Lab
1141	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1106	Lab
1211	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1110	Lab
1214	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1105	Lab
1221	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1105	Lab

1222	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1111	Lab
1223	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1110	Lab
1232	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1112	Lab
1241	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1112	Lab
1321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1331	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1112	Lab
1332	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1333	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	Lab
1334	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1110	Lab
1423	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1128	Lab
1435	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
1523	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1110	Lab
SEF1	Maryann Jones W 7:30pm - 10:20pm	Seats (Total: 24) CHM 1112	Lab
SEF2	Maryann Jones W 7:30pm - 10:20pm	Seats (Total: 24) CHM 1106	Lab

CHEM132C **General Chemistry I Laboratory**

CHEM132C General Chemistry I Laboratory; (1 credit) Grade Method: REG/P-F. *CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.*

1121	Maryann Jones	Seats (Total: 24)	
	M 12:00pm - 2:50pm	CHM 1105	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1132	Maryann Jones	Seats (Total: 24)	
	M 3:00pm - 5:50pm	CHM 1112	Lab
1212	Maryann Jones	Seats (Total: 24)	
	Tu 8:00am - 10:50am	CHM 1111	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1231	Maryann Jones	Seats (Total: 24)	
	Tu 3:30pm - 6:20pm	CHM 1105	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1234	Maryann Jones	Seats (Total: 24)	
	Tu 3:30pm - 6:20pm	CHM 1106	Lab
1311	Maryann Jones	Seats (Total: 24)	
	W 8:00am - 10:50am	CHM 1111	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1341	Maryann Jones	Seats (Total: 24)	
	W 6:00pm - 8:50pm	CHM 1128	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		

1411	Maryann Jones	Seats (Total: 24)	
	Th 8:00am - 10:50am	CHM 1111	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1412	Maryann Jones	Seats (Total: 24)	
	Th 8:00am - 10:50am	CHM 1110	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1421	Maryann Jones	Seats (Total: 24)	
	Th 12:30pm - 3:20pm	CHM 1110	Lab
1422	Maryann Jones	Seats (Total: 24)	
	Th 12:30pm - 3:20pm	CHM 1105	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1432	Maryann Jones	Seats (Total: 24)	
	Th 3:30pm - 6:20pm	CHM 1105	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1433	Maryann Jones	Seats (Total: 24)	
	Th 3:30pm - 6:20pm	CHM 1110	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1521	Maryann Jones	Seats (Total: 24)	
	F 12:00pm - 2:50pm	CHM 1105	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		
1522	Maryann Jones	Seats (Total: 24)	
	F 12:00pm - 2:50pm	CHM 1111	Lab
	Restricted to new freshmen and new transfer students in the College of Chemical and Life Sciences.		

CHEM132S General Chemistry I Laboratory

CHEM132S General Chemistry I Laboratory; (1 credit) Grade Method: REG. *CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.* Laboratory sessions will begin after the first lecture. Students must pay a $40.00 laboratory materials fee. Restricted to College Park Scholars - Life Sciences.

1213	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1112	Lab
1233	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	Lab
1431	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	Lab

CHEM132U **General Chemistry I Laboratory**

CHEM132U General Chemistry I Laboratory; (1 credit) Grade Method: REG. *CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.* CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 laboratory materials fee.

1124	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 0) CHM 1110	Lab
1436	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 0) CHM 1128	Lab

CHEM135 **General Chemistry for Engineers**

CHEM135 General Chemistry for Engineers; (3 credits) Grade Method: REG. *Pre- or corequisite: MATH115. Not open to students who have completed CHEM103, CHEM113, CHEM143, or CHEM153. Credit will be granted for only one of the following: CHEM103, CHEM113, CHEM131, CHEM135, CHEM143, OR CHEM153.* The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.

3125	Francis Schork MWF 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 CHM 0115	Discussion
3127	Francis Schork MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 43) CHM 1407 CHM 0115	Discussion
3128	Francis Schork MWF 12:00pm - 12:50pm Tu 3:30pm - 4:20pm	Seats (Total: 44) CHM 1407 CHM 0115	Discussion
3145	Francis Schork MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0115	Discussion
3147	Francis Schork MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 0115	Discussion
3148	Francis Schork MWF 12:00pm - 12:50pm Th 3:30pm - 4:20pm	Seats (Total: 43) CHM 1407 CHM 0115	Discussion
3225	Daniel Steffek MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 43) CHM 1407 CHM 0122	Discussion
3227	Daniel Steffek MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 43) CHM 1407 CHM 0122	Discussion
3228	Daniel Steffek MWF 2:00pm - 2:50pm Tu 3:30pm - 4:20pm	Seats (Total: 43) CHM 1407 CHM 0122	Discussion
3245	Daniel Steffek MWF 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 43) CHM 1407 CHM 0122	Discussion

3247	Daniel Steffek MWF 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 44) CHM 1407 CHM 0122	 Discussion
3248	Daniel Steffek MWF 2:00pm - 2:50pm Th 3:30pm - 4:20pm	Seats (Total: 43) CHM 1407 CHM 0122	 Discussion
3325	Alfred Boyd MWF 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 43) BRB 1101 CHM 0119	 Discussion
3327	Alfred Boyd MWF 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 43) BRB 1101 CHM 0119	 Discussion
3328	Alfred Boyd MWF 3:00pm - 3:50pm Tu 3:30pm - 4:20pm	Seats (Total: 43) BRB 1101 CHM 0119	 Discussion
3345	Alfred Boyd MWF 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 39) BRB 1101 EGR 0110	 Discussion
3347	Alfred Boyd MWF 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 43) BRB 1101 CHM 2201	 Discussion
3348	Alfred Boyd MWF 3:00pm - 3:50pm Th 3:30pm - 4:20pm	Seats (Total: 43) BRB 1101 CHM 2201	 Discussion

CHEM135U **General Chemistry for Engineers**
Contact department for information to register for this course.

CHEM136 **General Chemistry Laboratory for Engineers**

CHEM136 General Chemistry Laboratory for Engineers; (1 credit) Grade Method: REG.
Pre- or corequisite: CHEM135. For ENGR majors only. A laboratory course for engineering majors intending to take CHEM231 and CHEM232. There is a $40.00 lab fee for this course.

0117	Natalia White M 4:00pm - 6:50pm	Seats (Total: 24) CHM 1111	Lab
0127	Natalia White Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
0137	Natalia White W 4:00pm - 6:50pm	Seats (Total: 24) CHM 1111	Lab
0147	Natalia White Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1111	Lab

CHEM146 **Principles of General Chemistry**

CHEM146 Principles of General Chemistry; (3 credits) Grade Method: REG.
Prerequisite: Placement in MATH115 or higher. Corequisite: CHEM147. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM143. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM146 is the first course in a four-semester sequence for Chemistry and Biochemistry majors.

0032	Janice Reutt-Robey MWF 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 18) CHM 1402 CHM 1224	Discussion
0033	Janice Reutt-Robey MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 18) CHM 1402 CHM 1224	Discussion
0034	Janice Reutt-Robey MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 18) CHM 1402 CHM 1224	Discussion

CHEM147 **Principles of Chemistry Laboratory**

CHEM147 Principles of Chemistry Laboratory; (1 credit) Grade Method: REG/P-F. *Corequisite: CHEM146. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM143.* Introduction to the synthesis and characterization of inorganic substances. Must be taken concurrently with CHEM146. Students must pay a $40.00 laboratory materials fee.

0031	Maryann Jones Th 11:00am - 2:50pm	Seats (Total: 18) CHM 1106	Lab
0032	Maryann Jones Tu 11:00am - 2:50pm	Seats (Total: 18) CHM 1106	Lab
0035	Maryann Jones F 12:00pm - 3:50pm	Seats (Total: 18) CHM 1106	Lab

CHEM231 **Organic Chemistry I**

CHEM231 Organic Chemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisite is required of Life Science majors and recommended for all students. Not open to students who have completed CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.* The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

5125	Herman Ammon MWF 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHE 2136	Discussion
5127	Herman Ammon MWF 9:00am - 9:50am Tu 2:00pm - 2:50pm	Seats (Total: 37) CHM 1407 CHM 1224	Discussion
5128	Herman Ammon MWF 9:00am - 9:50am Tu 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 CHM 1224	Discussion

5145	Herman Ammon MWF 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHE 2136	Discussion
5147	Herman Ammon MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 1224	Discussion
5148	Herman Ammon MWF 9:00am - 9:50am Th 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 CHM 1224	Discussion
5215	Bonnie Dixon TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5216	Bonnie Dixon TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5217	Bonnie Dixon TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5235	Bonnie Dixon TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5236	Bonnie Dixon TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5237	Bonnie Dixon TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5315	Ashton Cropp TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 36) CHM 1407 CHM 0122	Discussion

5316	Ashton Cropp TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 36) CHM 1407 CHM 0122	 Discussion
5317	Ashton Cropp TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 0122	 Discussion
5335	Ashton Cropp TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 36) CHM 1407 CHM 0122	 Discussion
5336	Ashton Cropp TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 36) CHM 1407 CHM 0122	 Discussion
5337	Ashton Cropp TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 0122	 Discussion
SEF1	Irving Kipnis M 6:30pm - 9:30pm W 6:30pm - 7:30pm	Seats (Total: 19) CHM 1224 CHM 0127	 Discussion

CHEM232 **Organic Chemistry Laboratory I**

CHEM232 Organic Chemistry Laboratory I; (1 credit) Grade Method: REG. *Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisites is required for Life Science majors and recommended for all students. Corequisite: CHEM231. Not open to students who have completed CHEM104, CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallizaton, distillation, extraction, chromatography. Laboratory sessions will begin after the first lecture of CHEM 231. Students must pay a $40.00 laboratory materials fee.

5122	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 19) CHM 1356	 Lab

5123	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 19) CHM 1346	Lab
5132	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 19) CHM 1356	Lab
5133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 19) CHM 1346	Lab
5134	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 19) CHM 1342	Lab
5141	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 19) CHM 1342	Lab
5142	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 19) CHM 1360	Lab
5143	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 19) CHM 1356	Lab
5211	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 19) CHM 1342	Lab
5212	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 19) CHM 1360	Lab
5221	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 19) CHM 1356	Lab
5231	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 19) CHM 1356	Lab
5232	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 19) CHM 1360	Lab
5241	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 19) CHM 1360	Lab
5242	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 19) CHM 1342	Lab

5322	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 19) CHM 1356	Lab
5323	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 19) CHM 1346	Lab
5331	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 19) CHM 1360	Lab
5333	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 19) CHM 1346	Lab
5334	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 19) CHM 1342	Lab
5341	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 19) CHM 1360	Lab
5342	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 19) CHM 1356	Lab
5411	Maryann Jones Th 8:00am - 10:50am	Seats (Total: 19) CHM 1346	Lab
5421	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 19) CHM 1346	Lab
5422	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 19) CHM 1356	Lab
5431	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 19) CHM 1346	Lab
5432	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 19) CHM 1356	Lab
5521	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 19) CHM 1342	Lab
5522	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 19) CHM 1346	Lab

5531	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 19) CHM 1360	Lab

CHEM241 **Organic Chemistry II**

CHEM241 Organic Chemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed CHEM243 or CHEM247. Credit will be granted for only one of the following: CHEM241, CHEM243 or CHEM247. Formerly CHEM243.* A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

6115	Frederick Khachik TuTh 8:00am - 9:15am M 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
6116	Frederick Khachik TuTh 8:00am - 9:15am M 1:00pm - 1:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
6117	Frederick Khachik TuTh 8:00am - 9:15am M 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
6135	Frederick Khachik TuTh 8:00am - 9:15am W 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
6136	Frederick Khachik TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
6137	Frederick Khachik TuTh 8:00am - 9:15am W 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
6215	Michael Montague-Smith TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0119	Discussion

6216	Michael Montague-Smith TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 33) CHM 1407 CHM 0119	Discussion
6217	Michael Montague-Smith TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 1228	Discussion
6235	Michael Montague-Smith TuTh 9:30am - 10:45am W 12:00pm - 12:50pm	Seats (Total: 33) CHM 1407 CHM 0119	Discussion
6236	Michael Montague-Smith TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 33) CHM 1407 CHM 0119	Discussion
6237	Michael Montague-Smith TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 1224	Discussion
6415	Herman Sintim TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 33) PHY 1412 CHM 2201	Discussion
6416	Herman Sintim TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 33) PHY 1412 CHM 2201	Discussion
6417	Herman Sintim TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 33) PHY 1412 CHM 2201	Discussion
6435	Herman Sintim TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 34) PHY 1412 CHM 2201	Discussion
6436	Herman Sintim TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 33) PHY 1412 CHM 2201	Discussion

6437	Herman Sintim TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 33) PHY 1412 CHM 2201	 Discussion
SEF1	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:30pm	Seats (Total: 18) PLS 1130 PLS 1184	 Discussion

CHEM242 **Organic Chemistry Laboratory II**

CHEM242 Organic Chemistry Laboratory II; (1 credit) Grade Method: REG. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C or better in the prerequisite is required for Life Science majors or recommended for all students. Corequisite: CHEM241. Not open to students who have completed CHEM243 or CHEM247. Formerly CHEM243.* Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation. Students must pay a $40.00 laboratory materials fee.

6121	Daniel Steffek M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	 Lab
6131	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	 Lab
6132	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	 Lab
6133	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	 Lab
6141	Daniel Steffek M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1302	 Lab
6211	Daniel Steffek Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1302	 Lab
6221	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	 Lab

6222	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6223	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1326	Lab
6231	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6233	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6241	Daniel Steffek Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1326	Lab
6242	Daniel Steffek Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1302	Lab
6311	Daniel Steffek W 8:00am - 10:50am	Seats (Total: 18) CHM 1330	Lab
6321	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab
6322	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6323	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	Lab
6331	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6332	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
6333	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6334	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab

6411	Daniel Steffek Th 8:00am - 10:50am	Seats (Total: 18) CHM 1330	Lab
6421	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6423	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
6424	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1342	Lab
6431	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
6432	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6433	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6521	Daniel Steffek F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6522	Daniel Steffek F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6531	Daniel Steffek F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab

CHEM247 **Principles of Organic Chemistry II**

CHEM247 Principles of Organic Chemistry II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in CHEM237 or permission of department. The "C" or better in the prerequisite is required for Life Science majors. For CHEM, BCHM, ENCH majors, and honors students only. Credit will be granted for only one of the following: CHEM243 or CHEM247. A continuation of CHEM237 with emphasis on molecular structure, substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules. Students must pay a $40.00 laboratory materials fee.

6101	Lyle Isaacs MWF 9:00am - 9:50am Th 11:00am - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 19) CHM 1224 CHM 1326 CHM 0124	 Lab Discussion

CHEM271 **General Chemistry and Energetics**

CHEM271 General Chemistry and Energetics; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisites for Life Sciences majors and recommended for all students. Corequisite: CHEM272. Not open to students who have completed CHEM113. Credit will be granted for only one of the following: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly CHEM113. An introduction to the physical aspects of chemistry; chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

2222	Jason Kahn MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 28) HJP 0226 CHM 0127	 Discussion
2225	Jason Kahn MW 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 28) HJP 0226 MTH 0409	 Discussion
2227	Jason Kahn MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 28) HJP 0226 CHM 1228	 Discussion
2242	Jason Kahn MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 28) HJP 0226 CHM 0127	 Discussion
2245	Jason Kahn MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 28) HJP 0226 CHM 0124	 Discussion
2247	Jason Kahn MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 28) HJP 0226 CHM 1228	 Discussion

2324	William Walters MW 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 24) CHM 1407 CHM 0127	 Discussion
2325	William Walters MW 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 24) CHM 1407 BPS 1228	 Discussion
2327	William Walters MW 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 2201	 Discussion
2344	William Walters MW 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 24) CHM 1407 CHM 0127	 Discussion
2345	William Walters MW 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 24) CHM 1407 MTH 0201	 Discussion
2347	William Walters MW 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHE 2145	 Discussion
SEF1	Marlon Rhem M 6:00pm - 7:50pm W 6:30pm - 7:20pm	Seats (Total: 20) CHM 1228 CHM 1228	 Discussion

CHEM272 **General Bioanalytical Chemistry Laboratory**

CHEM272 General Bioanalytical Chemistry Laboratory; (2 credits) Grade Method: REG/P-F.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisites is required for Life Sciences majors and recommended for all students. Corequisite: CHEM271. Credit will be granted for only one of the following: CHEM227, CHEM272 or CHEM277. An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques.

8132	Lee Friedman F 11:00am - 11:50am M 3:00pm - 5:50pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab

8141	Lee Friedman F 11:00am - 11:50am M 6:00pm - 8:50pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8221	Lee Friedman F 11:00am - 11:50am Tu 12:30pm - 3:20pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8222	Lee Friedman F 11:00am - 11:50am Tu 12:30pm - 3:20pm	Seats (Total: 20) HJP 0226 CHM 1112	 Lab
8311	Lee Friedman F 11:00am - 11:50am W 8:00am - 10:50am	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8411	Lee Friedman F 11:00am - 11:50am Th 8:00am - 10:50am	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8432	Lee Friedman F 11:00am - 11:50am Th 3:30pm - 6:20pm	Seats (Total: 24) HJP 0226 CHM 1302	 Lab
8531	Lee Friedman F 11:00am - 11:50am F 3:00pm - 5:50pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
9122	Lee Friedman F 3:00pm - 3:50pm M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9141	Lee Friedman F 3:00pm - 3:50pm M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1308	 Lab
9211	Lee Friedman F 3:00pm - 3:50pm Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab

9233	Lee Friedman F 3:00pm - 3:50pm Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9241	Lee Friedman F 3:00pm - 3:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9421	Lee Friedman F 3:00pm - 3:50pm Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1302	 Lab
9521	Lee Friedman F 3:00pm - 3:50pm F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
SEF1	Marlon Rhem M 8:00pm - 8:50pm W 7:30pm - 10:30pm	Seats (Total: 20) CHM 1228 CHM 1302	 Lab

CHEM277 **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

CHEM277 Fundamentals of Analytical and Bioanalytical Chemistry Laboratory; (3 credits) Grade Method: REG.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisite is required. Corequisite: CHEM276. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM153, CHEM227, CHEM272 or CHEM277. Formerly CHEM153. Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques.

0232	Lee Friedman M 12:00pm - 12:50pm WF 12:00pm - 2:50pm	Seats (Total: 24) CHM 0124 CHM 1112	 Lab

CHEM398 **Special Projects**

CHEM398 *(PermReq)* **Special Projects; (2 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Limited to chemistry honors students. Consult with Dr. Ammon.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

CHEM399A *(PermReq)* **Introduction to Chemical Research; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research**

CHEM399B *(PermReq)* **Introduction to Chemical Research; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399C **Introduction to Chemical Research**

CHEM399C *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399X **Introduction to Chemical Research; Chemistry Instruction**

CHEM399X Introduction to Chemical Research: Chemistry Instruction; (3 credits) Grade Method: REG/P-F/AUD.

0101	Herman Ammon	Seats (Total: 8)
	Contact instructor or department for details.	

CHEM403 **Radiochemistry**

CHEM403 Radiochemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: one year of college chemistry and one year of college physics.
Radioactive decay; introduction to properties of atomic nuclei; nuclear processes in cosmology; chemical, biomedical and environmental applications of radioactivity; nuclear processes as chemical tools; interaction of radiation with matter.

0101	Alice Mignerey	Seats (Total: 40)
	MWF 12:00pm - 12:50pm	CHM 1224

CHEM425 **Instrumental Methods of Analysis**

CHEM425 Instrumental Methods of Analysis; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM153 or CHEM227} or {CHEM271 and CHEM272} or {CHEM276 and CHEM277}. Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry. Students must pay a $40.00 laboratory materials fee.

0101	Natalia White, Neil Blough MW 10:00am - 10:50am MW 12:00pm - 2:50pm	Seats (Total: 12) CHM 0128 CHM 3228	 Lab
0102	Natalia White, Neil Blough MW 10:00am - 10:50am TuTh 12:30pm - 3:20pm	Seats (Total: 12) CHM 0128 CHM 3228	 Lab
0104	Natalia White, Neil Blough MW 10:00am - 10:50am TuTh 9:30am - 11:50am	Seats (Total: 12) CHM 0128 CHM 3228	 Lab
0105	Neil Blough, Natalia White MW 10:00am - 10:50am MW 6:00pm - 8:50pm	Seats (Total: 10) CHM 0128 CHM 3228	 Lab
0109	Natalia White, Neil Blough MW 10:00am - 10:50am TuTh 6:30pm - 9:20pm	Seats (Total: 10) CHM 0128 CHM 3228	 Lab

CHEM441 **Advanced Organic Chemistry**

CHEM441 Advanced Organic Chemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481. Also offered as CHEM641. An advanced study of the compounds of carbon, with special emphasis on molecular orbital theory and organic reaction mechanisms.

0101	Philip DeShong MWF 8:00am - 8:50am	Seats (Total: 50) CHM 1402

CHEM460 **Structure Determination Using Spectroscopic Methods**

CHEM460 Structure Determination Using Spectroscopic Methods; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM243 or CHEM247} or {CHEM241 or CHEM242}. Formerly CHEM660. The use of infrared, ultraviolet-visible, proton and carbon-13 nuclear magnetic resonance and mass spectroscopy for structure determination in organic chemistry.

0101	Daniel Falvey	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1228

CHEM474 **Environmental Chemistry**

CHEM474 Environmental Chemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481 or equivalent. The sources of various elements and chemical reactions between them in the atmosphere and hydrosphere are treated. Causes and biological effects of air and water pollution by certain elements are discussed.

0101	John Ondov	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	CHM 1224

CHEM481 **Physical Chemistry I**

CHEM481 Physical Chemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in CHEM113, CHEM135, or CHEM153, or (CHEM271 and CHEM272), or (CHEM276 and CHEM277); and MATH141 and PHYS142. The "C" or better in prerequisites is required for Life Science majors. A course primarily for chemists and chemical engineers.

0101	Millard Alexander	Seats (Total: 106)
	MWF 9:00am - 9:50am	CHE 2110

CHEM482 **Physical Chemistry II**

CHEM482 Physical Chemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A Grade of C or better in CHEM481. The "C" or better is required for Life Science majors. A course primarily for chemists and chemical engineers.

0101	Amy Mullin	Seats (Total: 60)
	MWF 9:00am - 9:50am	CHM 0122

CHEM483 **Physical Chemistry Laboratory I**

CHEM483 Physical Chemistry Laboratory I; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: CHEM481. An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481. Students must pay a $40.00 laboratory materials fee.

0114	Candace Coyle	Seats (Total: 18)	
	M 2:00pm - 5:00pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 1228	Discussion
0124	Candace Coyle	Seats (Total: 18)	
	Tu 2:00pm - 5:00pm	CHM 3221	Lab
	Th 12:30pm - 1:20pm	CHM 1224	Discussion
0134	Candace Coyle	Seats (Total: 18)	
	W 2:00pm - 5:00pm	CHM 3221	Lab
	W 1:00pm - 1:50pm	CHM 1228	Discussion
0144	Candace Coyle	Seats (Total: 18)	
	Th 2:00pm - 5:00pm	CHM 3221	Lab
	Th 12:30pm - 1:20pm	CHM 1224	Discussion
0154	Candace Coyle	Seats (Total: 18)	
	F 2:00pm - 5:00pm	CHM 3221	Lab
	Contact instructor or department for details.		
0164	Candace Coyle	Seats (Total: 18)	
	W 6:00pm - 9:00pm	CHM 3221	Lab
	Contact instructor or department for details.		

CHEM484 **Physical Chemistry Laboratory II**

CHEM484 Physical Chemistry Laboratory II; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481 and CHEM483. Corequisite: CHEM482. A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482. Students must pay a $40.00 laboratory materials fee.

0124	Candace Coyle	Seats (Total: 12)	
	Tu 2:30pm - 5:30pm	CHM 3217	Lab
	Tu 1:30pm - 2:20pm	CHM 3219	Discussion

CHEM491 **Advanced Organic Chemistry Laboratory**
Contact department for information to register for this course.

CHEM601 **Structure and Bonding of Molecules and Materials**

CHEM601 Structure and Bonding of Molecules and Materials; (3 credits) Grade Method: REG/AUD.
Development of the tools necessary to use the knowledge of structure and bonding of molecules and solids in the practice of synthetic inorganic and materials chemistry. Several bonding models are covered, from the simple valence bond and ligand field models to a quantitative group theoretical treatment of molecular orbital theory and band structure descriptions of solids. Concepts of electron counting and oxidation state and ligand characteristics are revisited in terms of the more sophisticated bonding models. Finally, these models are used to analyze the reactivity, magnetic and spectroscopic properties of inorganic coordination compounds. Prior advanced inorganic and/or advanced quantum chemistry courses are not prerequisites.

0101	Lawrence Sita	Seats (Total: 40)
	MWF 9:00am - 9:50am	CHM 1228

CHEM611 **Professional Skills for New Graduate Students**

CHEM611 Professional Skills for New Graduate Students; (1 credit) Grade Method: REG/AUD.

0101	John Fourkas	Seats (Total: 37)
	F 2:00pm - 2:50pm	CHM 1224

CHEM640 **Problems in Organic Reaction Mechanisms**

CHEM640 Problems in Organic Reaction Mechanisms; (1 credit) Grade Method: REG/AUD.
A tutorial type course dealing with the basic description of the fundamentals of writing organic reaction mechanisms.

0101	Herman Sintim F 12:00pm - 12:50pm	Seats (Total: 20) CHM 1228

CHEM641 **Organic Reaction Mechanisms**

CHEM641 Organic Reaction Mechanisms; (3 credits) Grade Method: REG/AUD.
Also offered as CHEM441.

0101	Philip DeShong MWF 8:00am - 8:50am	Seats (Total: 50) CHM 1402

CHEM648D **Special Topics in Organic Chemistry; Chemistry of Biological Catalysis**

CHEM648D Special Topics in Organic Chemistry: Chemistry of Biological Catalysis; (3 credits) Grade Method: REG/AUD.

0101	Steven Rokita MWF 11:00am - 11:50am	Seats (Total: 25) CHM 1224

CHEM684 **Chemical Thermodynamics**

CHEM684 Chemical Thermodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 482 or equivalent.

0101	Christopher Jarzynski TuTh 11:00am - 12:15pm	Seats (Total: 22) CHM 1228

CHEM690 **Quantum Chemistry I**

CHEM690 Quantum Chemistry I; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 485.

0101	YuHuang Wang MWF 10:00am - 10:50am	Seats (Total: 20) CHM 1224

CHEM699 **Special Problems in Chemistry**

CHEM699 Special Problems in Chemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis Master's degree candidates.

Contact department for information to register for this course.

CHEM799 **Master's Thesis Research**

CHEM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM889A **Seminar; Analytical, Nuclear and Environmental Chemistry**

CHEM889A Seminar: Analytical, Nuclear and Environmental Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Theodore Dayie	Seats (Total: 15)
	F 3:00pm - 5:00pm	CHM 1224

CHEM889C **Seminar; Inorganic**

CHEM889C Seminar: Inorganic; (1 credit) Grade Method: REG/AUD.

0101	Andrei Vedernikov	Seats (Total: 10)
	F 1:00pm - 1:50pm	CHM 1228

CHEM889D **Seminar; Organic**

CHEM889D Seminar: Organic; (1 credit) Grade Method: REG/AUD.

0101	Steven Rokita	Seats (Total: 20)
	Th 11:00am - 12:30pm	CHM 1224

CHEM889E **Seminar; Physical Chemistry**

CHEM889E Seminar: Physical Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Millard Alexander	Seats (Total: 15)
	W 11:00am - 12:00pm	CHM 1228

CHEM889F **Seminar; Chemical Physics**

CHEM889F Seminar: Chemical Physics; (1 credit) Grade Method: REG/AUD.

0101	Millard Alexander	Seats (Total: 15)
	W 11:00am - 12:00pm	CHM 1228

CHEM889G **Seminar; Physical Organic**

CHEM889G Seminar: Physical Organic; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM889M **Seminar; Materials Chemistry**

CHEM889M Seminar: Materials Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Bryan Eichhorn	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM889P **Seminar; Structure and Reactivity of Biopolymers**

CHEM889P Seminar: Structure and Reactivity of Biopolymers; (1 credit) Grade Method: REG/AUD.

0101	Steven Rokita	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM898 **Pre-Candidacy Research**

CHEM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM899 **Doctoral Dissertation Research**

CHEM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN Chinese Fall 2009

CHIN101 **Intensive Elementary Chinese I**

Non-Majors: please refer to the Foreign Language Placement Section of the Schedule of Classes.

CHIN101 *(PermReq)* **Intensive Elementary Chinese I; (6 credits)** Grade Method: REG.

Non-majors admitted only after a placement interview. Introduction to speaking, reading, and writing Chinese with an emphasis on mastering the essentials of pronunciation, basic characters and structural patterns.

0101	Jungjung Lee-Heitz MWF 10:00am - 10:50am TuTh 11:00am - 12:15pm	Seats (Total: 14) JMZ 3205 JMZ 3122	 Discussion
0201	Mei Kong MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 14) JMZ 1226 JMZ 1123	 Discussion
0301	Jungjung Lee-Heitz MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 14) JMZ 3120 JMZ 1226	 Discussion
0401	Mei Kong MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:15pm	Seats (Total: 14) JMZ 0120 JMZ 1226	 Discussion

CHIN105 **Elementary Chinese - Accelerated Track**

CHIN105 *(PermReq)* **Elementary Chinese - Accelerated Track; (3 credits)** Grade Method: REG.

Prerequisite: permission of department. Not open to students who have completed CHIN101, CHIN102, or CHIN103. Accelerated instruction in Mandarin Chinese at the elementary level for students with prior Chinese language background, either through home use or formal instruction.

0101	Jungjung Lee-Heitz MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 1117	

CHIN201 **Intermediate Spoken Chinese I**

CHIN201 *(PermReq)* **Intermediate Spoken Chinese I; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN102 or equivalent and permission of department. Non-majors admitted only after a placement interview. Emphasis on development of conversational skills with vocabulary build-up and controlled conversation.

0101	Mei Kong MWF 11:00am - 11:50am	Seats (Total: 14) JMZ 1120
0201	Jungjung Lee-Heitz MWF 3:00pm - 3:50pm	Seats (Total: 14) JMZ 1117

CHIN202 **Intermediate Written Chinese I**

CHIN202 *(PermReq)* **Intermediate Written Chinese I; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN103 or equivalent and permission of department. Non-majors admitted only after a placement interview. Reading and writing skills with emphasis on grammar and Chinese characters.

0101	Minglang Zhou TuTh 12:30pm - 1:45pm	Seats (Total: 14) JMZ 1226
0201	Hsiu-Fen Chien TuTh 3:30pm - 4:45pm	Seats (Total: 14) JMZ 1226

CHIN207 **Linguistic Resources for Students of Chinese**

CHIN207 Linguistic Resources for Students of Chinese; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Not open to students who have completed CHIN428, CHIN421 or CHIN422. Training in the use of Chinese dictionaries, introduction to the relationship between traditional and simplified Chinese characters, overview of the main regional variations of Mandarin, review of elementary grammar.

0101	Fang-Yi Chao TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3205

CHIN213 **Chinese Poetry into English: An Introduction**

CHIN213 Chinese Poetry into English: An Introduction; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.
Issues in the intercultural and interlingual interpretation of foreign literature through the study of Western translations of and scholarship on selected Chinese poets. No knowledge of Chinese required.

0201	Huichun Liang	Seats (Total: 35)
	MWF 11:00am - 11:50am	JMZ 2206

CHIN220 **Beginning Chinese Calligraphy**

CHIN220 Beginning Chinese Calligraphy; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Not open to students who have completed CHIN331. Credit will be granted for only one of the following: CHIN220 or CHIN331. Introduction to techniques, history, and culture of Chinese calligraphy. Extensive hands-on practice. Taught in English.

0101	Yuli Wang	Seats (Total: 25)
	M 12:00pm - 2:30pm	JMZ 0205

CHIN301 **Advanced Chinese I**

CHIN301 *(PermReq)* **Advanced Chinese I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN202 or equivalent. Non-majors admitted only after a placement interview. Readings in expository and fictional writing with conversation and composition.

0101	Huichun Liang	Seats (Total: 15)
	MWF 3:00pm - 3:50pm	JMZ 1103

CHIN305 **Life in China through TV Plays I**

CHIN305 *(PermReq)* **Life in China through TV Plays I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN203, CHIN204 or permission of department. Using authentic Chinese language material in short TV plays to learn about society and life in China.

0101	Mei Kong MWF 3:00pm - 3:50pm	Seats (Total: 15) JMZ 2125

CHIN315 **Modern Chinese Literature in Translation**

CHIN315 Modern Chinese Literature in Translation; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Major works of fiction and drama from 1920 to the present read in the context of social and literary change. Emphasis on western and traditional Chinese influences on the writers and their works. No knowledge of Chinese required.

0101	Jianmei Liu TuTh 12:30pm - 1:45pm	Seats (Total: 35) JMZ 2206

CHIN401 **Readings in Modern Chinese I**

CHIN401 Readings in Modern Chinese I; (3 credits) Grade Method: REG. *Prerequisite: CHIN302 or equivalent. Non-majors admitted only after a placement interview.* Readings in history, politics, economics, sociology, and literature. Emphasis on wide-ranging, rapid reading, reinforced by conversations and compositions.

0101	Huichun Liang MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 2125
0102	Nan Jiang MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 1103

CHIN418F **Special Topics in Contemporary Chinese Fiction and Film**

CHIN418F Special Topics in Contemporary Chinese Fiction and Film; (3 credits) Grade Method: REG.
Taught in Chinese.

0101	Jianmei Liu TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 3120

CHIN422 **Advanced Chinese Grammar**

CHIN422 Advanced Chinese Grammar; (3 credits) Grade Method: REG. *Prerequisite: CHIN302, CHIN322, or permission of department.* Chinese sentence patterns studied contrasted with English and in terms of current pedagogical as well as linguistic theories.

0101	Fang-Yi Chao	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 3120

CHIN499 **Directed Study in Chinese**

CHIN499 Directed Study in Chinese; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH Chemical Physics Fall 2009

CHPH709A **Seminar in Chemical Physics; Physical Chemistry**

CHPH709A Seminar in Chemical Physics: Physical Chemistry; (1 credit) Grade Method: REG/AUD.
Also offered as CHEM 898E and CHEM 898F.

0101	Millard Alexander	Seats (Total: 15)
	W 11:00am - 12:00pm	CHM 1228

CHPH709B **Seminar in Chemical Physics; Statistical Physics Seminar**

CHPH709B Seminar in Chemical Physics: Statistical Physics Seminar; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 709.

0101	John Weeks	Seats (Total: 20)
	W 4:00pm - 5:00pm	IPT 1116

CHPH709L **Seminar in Chemical Physics; Biophysics**

CHPH709L Seminar in Chemical Physics: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) IPT 1116

CHPH718A **Special Topics in Chemical Physics; Current Topics in Surface Physics**

CHPH718A Special Topics in Chemical Physics: Current Topics in Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as PHYS 838A.

0101	Ellen Williams M 12:00pm - 1:00pm F 4:00pm - 6:00pm	Seats (Total: 15) PHY 2202 PHY 2120

CHPH718I **Special Topics in Chemical Physics; Independent Studies**

CHPH718I *(PermReq)* **Special Topics in Chemical Physics: Independent Studies; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH799 **Master's Thesis Research**

CHPH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

CHPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

CHPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS Classics Fall 2009

CLAS170 **Greek and Roman Mythology**

CLAS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
This course cannot be taken for language credit. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English. Taught in English.

0101	Gregory Staley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 ARM 0103	Discussion
0102	Gregory Staley MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 BPS 1234	Discussion
0103	Gregory Staley MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 COL 0113	Discussion
0104	Gregory Staley MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 JMZ 1224	Discussion
0105	Gregory Staley MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 BPS 1228	Discussion
0106	Gregory Staley MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 EGR 0108	Discussion
0107	Gregory Staley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MMH 3418	Discussion
0108	Gregory Staley MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0104	Discussion

0201	Gregory Staley MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 WDS 1114	Discussion
0202	Gregory Staley MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 HBK 0105	Discussion
0203	Gregory Staley MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 JMZ 1117	Discussion
0204	Gregory Staley MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 COL 0102	Discussion
0205	Gregory Staley MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) MMH 1400 EGR 2154	Discussion
0206	Gregory Staley MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 SKN 0104	Discussion
0207	Gregory Staley MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 27) MMH 1400 MMH 3418	Discussion
FC01	Ryan Moore TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) SKN 0104	
FC02	William Proffitt TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) CHM 1224	
FC03	Brendan Magee MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) MMH 0108	

FC04	Jason Edwards MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) HBK 0108	
FC05	Ryan Moore TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) CHM 1228	

CLAS270 **Greek Literature in Translation**

CLAS270 Greek Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Selections in translation of Greek literature from Homer to Lucian, with special emphasis on epic and dramatic poetry. No knowledge of Greek or Latin is required.

0101	Kenneth Tuite MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SQH 1120 MMH 0108	 Discussion
0102	Kenneth Tuite MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SQH 1120 HZF 0101	 Discussion
0103	Kenneth Tuite MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SQH 1120 ARM 0101	 Discussion

CLAS309 **Special Topics in Classical Literature; Classical Tradition in Modern Greek Literature**

CLAS309 Special Topics in Classical Literature: Classical Tradition in Modern Greek Literature; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mary Pittas-Herschbach Tu 5:00pm - 7:40pm	Seats (Total: 35) PLS 1113	

CLAS309L **Special Topics in Classical Literature; The Good Life in Greek and Roman Literature**

CLAS309L Special Topics in Classical Literature: The Good Life in Greek and Roman Literature; (3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA Tu 5:00pm - 7:40pm	Seats (Total: 35) JRN 1105

CLAS330 **Ancient Greek Religion: Gods, Myths, Temples**

CLAS330 Ancient Greek Religion: Gods, Myths, Temples; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Survey of Greek religious ideas and practices as they evolve from the Bronze Age to the early Christian period.

0101	Eva Stehle TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 1108

CLAS375 **Ancient Comedy**

CLAS375 Ancient Comedy; (3 credits) Grade Method: REG/P-F/AUD.
Representative plays by Aristophanes, Menander, Plautus and Terence in translation; examination of Greek tradition in Roman and postclassical periods.

0101	Lillian Doherty MW 3:30pm - 4:45pm	Seats (Total: 35) KEY 0116

CLAS499 **Independent Study in Classical Languages and Literatures**

CLAS499 *(PermReq)* **Independent Study in Classical Languages and Literatures; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS699 **Independent Study in Classical Civilization**

CLAS699 *(PermReq)* **Independent Study in Classical Civilization; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Fall 2009

CLFS001 **Life Science Assessment Test**

CLFS001 Life Science Assessment Test; (No credit) Grade Method: REG/P-F/AUD.

PL01	Paul Mazzocchi	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

CLFS510 **Concepts of Modern Biology**

CLFS510 Concepts of Modern Biology; (3 credits) Grade Method: REG. *Prerequisite: permission of department. Corequisite: Open to high school and middle school teachers.* Discussion of recent advancements in the biological sciences. Includes in depth treatment of the background information responsible for the advancements. Not acceptable for credit towards a degree.

PL01	William Higgins	Seats (Total: 28)
	Meets August 31, 2009 - November 20, 2009	
	Class time/details on ELMs	ONLINE

CLFS520 **Concepts of Modern Chemistry**

CLFS520 Concepts of Modern Chemistry; (3 credits) Grade Method: REG. Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student persuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree).

PL01	Dorothy Mazzocchi	Seats (Total: 20)
	Meets August 31, 2009 - November 20, 2009	
	Class time/details on ELMs	ONLINE

CLFS608 **Seminar in Current Topics in Chemical and Life Science**
Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**
Contact department for information to register for this course.

CLFS609A **Special Topics; Food Safety and GM Foods**

CLFS609A Special Topics: Food Safety and GM Foods; (3 credits) Grade Method: REG/AUD.

PL01	Lucinda Jack	Seats (Total: 30)
	Meets August 31, 2009 - November 20, 2009	
	Class time/details on ELMs	ONLINE

CLFS619A **Special Topics in Chemistry; Molecular Spectroscopy**

CLFS619A Special Topics in Chemistry: Molecular Spectroscopy; (3 credits) Grade Method: REG/AUD.

PL01	Dorothy Mazzocchi, Paul Mazzocchi	Seats (Total: 20)
	Meets August 31, 2009 - November 20, 2009	
	Class time/details on ELMs	ONLINE

CLFS620 **Modern Molecular Genetics**

CLFS620 Modern Molecular Genetics; (3 credits) Grade Method: REG/AUD.
An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms.

PL01	Paul Bottino	Seats (Total: 21)
	Meets August 31, 2009 - November 20, 2009	
	Class time/details on ELMs	ONLINE

CLFS665 **Ecology and Global Change**

CLFS665 Ecology and Global Change; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: LFSC 609C or LFSC 665. Formerly LFSC609C. Ecological concepts across scales ranging from the individual, to populations, communities, ecosystems, and landscapes will be presented. Global change issues will encompass alteration of atmospheric trace gases, biogeochemistry cycles, land use changes, and introduction of non-native species to new habitats.

PL01	Irwin Forseth	Seats (Total: 22)
	Meets August 31, 2009 - November 20, 2009	
	Class time/details on ELMs	ONLINE

CLFS680 **Chemical Ecology**

CLFS680 Chemical Ecology; (3 credits) Grade Method: REG/AUD.
An examination of the utilization of organic natural products by plants and animals for various life processes. Examples will include how materials are utilized for sexual selection, defense against predators, sexual attractants, and as natural herbicides and repellants.

PL01	Dorothy Mazzocchi, Paul Mazzocchi, Bruce Jarvis	Seats (Total: 26)
	Meets August 31, 2009 - November 20, 2009	
	Class time/details on ELMs	ONLINE

CMLT Comparative Literature Fall 2009

CMLT214 **Film Form and Culture**

CMLT214 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction to film forms in international perspective. Emphasis on the techniques of film analysis, distinctions among film genres, and the history of cinema.

0101	Marianne Conroy	Seats (Total: 22)	
	MW 1:00pm - 1:50pm	SQH 1120	
	M 2:00pm - 3:50pm	SQH 1120	Lab
	F 10:00am - 10:50am	TWS 0234	Discussion

0102	Marianne Conroy MW 1:00pm - 1:50pm M 2:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 22) SQH 1120 SQH 1120 TWS 0234	 Lab Discussion
0103	Marianne Conroy MW 1:00pm - 1:50pm M 2:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 22) SQH 1120 SQH 1120 TWS 0234	 Lab Discussion
0104	Marianne Conroy MW 1:00pm - 1:50pm M 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 22) SQH 1120 SQH 1120 TWS 0234	 Lab Discussion

CMLT270 **Global Literature and Social Change**

CMLT270 Global Literature and Social Change; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.
Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101	Amy Karp TuTh 12:30pm - 1:45pm	Seats (Total: 35) LEF 1201	
0201	James Hodapp TuTh 9:30am - 10:45am	Seats (Total: 35) BPS 1124	
0301	Liora Moriel MWF 12:00pm - 12:50pm	Seats (Total: 35) HBK 0302H	
0401	Liora Moriel MWF 11:00am - 11:50am	Seats (Total: 35) HBK 0302H	

CMLT275 **World Literature by Women**

CMLT275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST275. Credit will be granted for only one of the following: CMLT275 or WMST275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Liora Moriel MWF 10:00am - 10:50am	Seats (Total: 35) HBK 0302H	
0201	Kara Morillo MW 2:00pm - 3:15pm	Seats (Total: 35) KEY 1117	
0301	Megan Monserez TuTh 12:30pm - 1:45pm	Seats (Total: 35) COL 0100	
0401	Amy Karp TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1101	

CMLT277 **Literatures of the Americas**

CMLT277 Literatures of the Americas; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Comparative study of several North, South, and Central American cultures with a focus on the specificities, similarities, and divergences of their literary and cultural texts. Course is meeting in Room J, Hornbake. Also offered as ENGL278L.

0101	Ralph Bauer TuTh 12:30pm - 1:30pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 BPS 1124	Discussion
0102	Ralph Bauer TuTh 12:30pm - 1:30pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 BPS 1236	Discussion
0103	Ralph Bauer TuTh 12:30pm - 1:30pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 TLF 1103	Discussion

0104	Ralph Bauer TuTh 12:30pm - 1:30pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 TLF 1103	Discussion
0105	Ralph Bauer TuTh 12:30pm - 1:30pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 PLS 1158	Discussion
0106	Ralph Bauer TuTh 12:30pm - 1:30pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 PLS 1119	Discussion

CMLT280 **Film Art in a Global Society**

CMLT280 Film Art in a Global Society; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Greg Metcalf Tu 12:30pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 22) SQH 1120 TYD 0111	Discussion
0102	Greg Metcalf Tu 12:30pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 22) SQH 1120 KEY 1117	Discussion
0103	Greg Metcalf Tu 12:30pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 22) SQH 1120 PLS 1172	Discussion
0104	Greg Metcalf Tu 12:30pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 22) SQH 1120 PLS 1172	Discussion

CMLT386 **Experiential Learning**

CMLT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CMLT498L **Selected Topics in Comparative Studies; Sexuality in the Cinema**

CMLT498L Selected Topics in Comparative Studies: Sexuality in the Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379R.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 0236

CMLT498N **Selected Topics in Comparative Studies; Gypsy Culture**

CMLT498N Selected Topics in Comparative Studies: Gypsy Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379V.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TWS 0207

CMLT699 **Independent Study**

CMLT699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT788C **Practicum in Comparative Studies; Colloquium in Comparative Studies**

CMLT788C *(PermReq)* **Practicum in Comparative Studies: Colloquium in Comparative Studies; (1 credit)** Grade Method: S-F.

0101	Lauretta Clough, Zita Nunes	Seats (Total: 12)
	Contact instructor or department for details.	

CMLT799 **Master's Thesis Research**

CMLT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT898 **Pre-Candidacy Research**

CMLT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT899 **Doctoral Dissertation Research**

CMLT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMPS Computer, Mathematical and Physical Sciences Fall 2009

CMPS299J **Special Topics; Achieving College Excellence: Making the Transition Into Industry and Graduate School (CSEMS)**

Contact department for information to register for this course.

CMPS299T **Special Topics; Achieving College Excellence: First Year Transition (BRIDGE)**

Contact department for information to register for this course.

CMPS397 **Leadership Development for Computer Scientists**

CMPS397 *(PermReq)* **Leadership Development for Computer Scientists; (2 credits)** Grade Method: REG/P-F/AUD.

Click here for more course information.

0101	James Purtilo	Seats (Total: 15)
	Tu 3:30pm - 5:30pm	CSI 1122

CMSC Computer Science Fall 2009

CMSC100 **Bits and Bytes of Computer Science**

CMSC100 Bits and Bytes of Computer Science; (1 credit) Grade Method: REG/P-F.

For first time freshmen and first time transfer computer science majors. Students are introduced to the field (and disciplines) of computer science within a small classroom setting. They will learn to make a successful transition from high school to the university, while exploring study skills, student success plans and research opportunities.

0101	Melissa Affolter Th 4:00pm - 4:50pm	Seats (Total: 30) CSI 1122

CMSC102 **Introduction to Information Technology**

CMSC102 Introduction to Information Technology; (3 credits) Grade Method: REG/P-F. CORE Interdisciplinary & Emerging Issues (IE) Course.

For non-majors only. Not recommended for BMGT students. Not open to students who have completed CMSC114 or higher. Credit will be granted for only one of the following: CMSC102, CMSC132 or CMSC214. If CMSC102 is taken before CMSC132 or CMSC214, then credit will be granted for both. A historical and practical introduction to computer and network terminology, applications and concepts. Students will have hands-on experience with a variety of tools available to find and access information on the Internet, to exchange information between computers, and to perform basic web design. Students will explore applications (such as browsers and spreadsheets) as well as different computing environments (such as Windows and UNIX). There will be discussions of social, legal, and ethical issues related to technology.

0101	Evan Golub TuTh 12:30pm - 1:45pm	Seats (Total: 65) CSI 3117
0102	Evan Golub TuTh 2:00pm - 3:15pm	Seats (Total: 65) CSI 3117

CMSC106 **Introduction to C Programming**

CMSC106 *(PermReq)* **Introduction to C Programming; (4 credits)** Grade Method: REG/P-F.
Prerequisite: permission of department. Pre- or corequisite: MATH140. Only for CMPS, ENCP and students with major code: 2299F. Not open to students who have completed CMSC114 or higher. Design and analysis of programs in C. An introduction to computing using structured programming concepts. For further information contact the Undergraduate Education Office, Computer Science Department.

0102	Laurence Herman	Seats (Total: 30)	
	MW 12:30pm - 1:45pm	CSI 1121	
	MW 10:00am - 10:50am	CSI 2120	Discussion

CMSC122 **Introduction to Computer Programming via the Web**

CMSC122 Introduction to Computer Programming via the Web; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who have completed CMSC132 or higher. Credit will be granted for only one of the following: CMSC122 or CMSC198N. Formerly CMSC198N. Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

0101	Nelson Padua-Perez	Seats (Total: 70)
	MWF 2:00pm - 2:50pm	CSI 3117

CMSC131 **Object-Oriented Programming I**

CMSC131 *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG/P-F.
Corequisite: MATH140 and permission of department. Not open to students who have completed CMSC114. Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java. For CMSC majors only.

0101	Fawzi Emad MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 28) CSI 1115 CSI 1122	Discussion
0102	Fawzi Emad MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 27) CSI 1115 CSI 1122	Discussion
0103	Fawzi Emad MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 26) CSI 1115 CSI 2118	Discussion
0201	Fawzi Emad MWF 12:00pm - 12:50pm MW 3:00pm - 3:50pm	Seats (Total: 26) CSI 1115 CSI 2120	Discussion
0202	Fawzi Emad MWF 12:00pm - 12:50pm MW 4:00pm - 4:50pm	Seats (Total: 26) CSI 1115 CSI 2120	Discussion
0203	Fawzi Emad MWF 12:00pm - 12:50pm MW 4:00pm - 4:50pm	Seats (Total: 26) CSI 1115 CSI 1122	Discussion
0301	Jandelyn Plane MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 26) CSI 1122 CSI 2120	Discussion
0302	Jandelyn Plane MWF 10:00am - 10:50am MW 12:00pm - 12:50pm	Seats (Total: 26) CSI 1122 CSI 2120	Discussion
0401	Jandelyn Plane MWF 11:00am - 11:50am MW 1:00pm - 1:50pm	Seats (Total: 26) CSI 1122 CSI 2120	Discussion
0402	Jandelyn Plane MWF 11:00am - 11:50am MW 2:00pm - 2:50pm	Seats (Total: 26) CSI 1122 CSI 2120	Discussion

CMSC131H Object-Oriented Programming I

CMSC131H *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG/P-F.
Corequisite: MATH140 and permission of department. Not open to students who have completed CMSC114. For general honors students only.

0101	Fawzi Emad	Seats (Total: 22)	
	MWF 2:00pm - 2:50pm	CSI 2118	
	MW 1:00pm - 1:50pm	CSI 1122	Discussion

CMSC132 **Object-Oriented Programming II**

CMSC132 *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG/P-F.
Prerequisite: CMSC131 with a grade of C or better; or a score of 5 on the A Java AP exam; or a score of 4 or 5 on the AB Java AP exam; or permission of the department based on satisfactory performance on the department placement exam and permission of department. Corequisite: MATH141. Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Nelson Padua-Perez	Seats (Total: 29)	
	MWF 11:00am - 11:50am	CSI 3117	
	MW 12:00pm - 12:50pm	CSI 2107	Discussion
0102	Nelson Padua-Perez	Seats (Total: 29)	
	MWF 11:00am - 11:50am	CSI 3117	
	MW 1:00pm - 1:50pm	CSI 2107	Discussion
0201	Nelson Padua-Perez	Seats (Total: 29)	
	MWF 12:00pm - 12:50pm	CSI 3117	
	MW 2:00pm - 2:50pm	CSI 2107	Discussion
0202	Nelson Padua-Perez	Seats (Total: 29)	
	MWF 12:00pm - 12:50pm	CSI 3117	
	MW 3:00pm - 3:50pm	CSI 2107	Discussion

CMSC132H **Object-Oriented Programming II**

CMSC132H *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC131 with a grade of C or better; or a score of 5 on the A Java AP exam; or a score of 4 or 5 on the AB Java AP exam; or permission of the department based on satisfactory performance on the department placement exam and permission of department. Corequisite: MATH141. For general honors students only.

0101	William Pugh	Seats (Total: 30)	
	MWF 10:00am - 10:50am	CSI 2107	
	MW 11:00am - 11:50am	CSI 2107	Discussion

CMSC198A **Special Topics in Computer Science for Non-Majors; Special Topics for Non-Computer Science Majors**

CMSC198A *(PermReq)* **Special Topics in Computer Science for Non-Majors: Special Topics for Non-Computer Science Majors; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC198K **The Science behind Computing**

CMSC198K The Science behind Computing; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Click here for more information

0101	Samir Khuller	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CSI 1115
0201	Samrat Bhattacharjee	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CSI 1115

CMSC212 **Introduction to Low-Level Programming Concepts**

CMSC212 *(PermReq)* **Introduction to Low-Level Programming Concepts; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC132 with a grade of C or better; or permission of the department based on satisfactory performance on the department placement exam and permission of department. Corequisite: CMSC250. Introduction to many of the concepts that lie behind software, such as hardware, memory layout, memory management, and operating systems. Explain how these concepts affect the design of software systems.

0101	Laurence Herman TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 30) CSI 2117 CSI 3118	 Discussion
0102	Laurence Herman TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 26) CSI 2117 CSI 3118	 Discussion
0201	Laurence Herman TuTh 12:30pm - 1:45pm MW 11:00am - 11:50am	Seats (Total: 26) CSI 1115 CSI 3118	 Discussion
0202	Laurence Herman TuTh 12:30pm - 1:45pm MW 12:00pm - 12:50pm	Seats (Total: 26) CSI 1115 CSI 3118	 Discussion

CMSC213 **C Programming Practicum**

CMSC213 C Programming Practicum; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: CMSC132 with a grade of B or higher.. Corequisite: CMSC313 and CMSC250. Successful completion of CMSC313 and CMSC213 with a grade of C or better in each satisfies the requirement of CMSC212 and CMSC311 for the purpose of the CS major. Not open to students who have completed CMSC212. Introduction to programming in C including: pointers, arrays, memory management, and I/O. Use of basic UNIX command line tool chain including gcc, make, and gdb. Advanced programming tools including use of: code coverage tools, profilers, and shared libraries.

0101	Alan Sussman MW 1:00pm - 1:50pm	Seats (Total: 30) CSI 3118	

0201	Alan Sussman MW 12:00pm - 12:50pm	Seats (Total: 30) CSI 1122	

CMSC250 **Discrete Structures**

CMSC250 *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: CMSC131 with a grade of C or better; MATH141; and permission of department. Formerly CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Donald Perlis TuTh 3:30pm - 4:45pm MW 9:00am - 9:50am	Seats (Total: 39) CSI 2117 CSI 2107	 Discussion
0102	Donald Perlis TuTh 3:30pm - 4:45pm MW 11:00am - 11:50am	Seats (Total: 39) CSI 2117 CSI 1121	 Discussion
0201	Donald Perlis TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 37) CSI 2117 CSI 3117	 Discussion
0202	Donald Perlis TuTh 12:30pm - 1:45pm MW 10:00am - 10:50am	Seats (Total: 38) CSI 2117 CSI 3117	 Discussion

CMSC297 **Honors Seminar**

CMSC297 Honors Seminar; (1 credit) Grade Method: S-F.
An introduction to the breadth of computer science research. Intended for all Computer Science Honors students, especially those considering a career in research. Will cover work from some of the key figures in the history of computer science, as well as research being pursued at Maryland.

0101	William Gasarch M 4:00pm - 5:00pm	Seats (Total: 30) CSI 3118	

CMSC298A **Special Topics in Computer Science**

CMSC298A *(PermReq)* **Special Topics in Computer Science; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC298E **Special Topics in Computer Science; Entrepreneurship and Computer Science**

CMSC298E Special Topics in Computer Science: Entrepreneurship and Computer Science; (1 credit) Grade Method: S-F.

0101	William Arbaugh	Seats (Total: 20)
	M 10:00am - 10:50am	CSI 2117

CMSC311 **Computer Organization**

CMSC311 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: CMSC212 and CMSC250 each with a grade of C (2.0) or better; and permission of department.* Introduction to assembly language. Design of digital logic circuits. Organization of central processors, including instruction sets, register transfer operations, control microprogramming, data representation, and arithmetic algorithms. Memory and input/output organization.

0101	William Arbaugh	Seats (Total: 110)
	MW 2:00pm - 3:15pm	CSI 1115

CMSC313 **Introduction to Computer Systems**

CMSC313 *(PermReq)* **Introduction to Computer Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC132 with a grade of B or higher. Corequisite: CMSC213 and CMSC250. Successful completion of CMSC313 and CMSC213 with a grade of C or better in each satisfies the requirement of CMSC212 and CMSC311 for purposes of the CS major. Not open to students who have completed CMSC212. Machine representation of data including integers and floating point. Modern computer archtectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand tuning.

0101	Alan Sussman MW 3:30pm - 4:45pm	Seats (Total: 60) CSI 3117	

CMSC330 **Organization of Programming Languages**

CMSC330 *(PermReq)* **Organization of Programming Languages; (3 credits)** Grade Method: REG.
Prerequisite: CMSC212 and CMSC250: each with a grade of C (2.0) or better; and permission of department. The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Chau-Wen Tseng MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 20) CSI 2117 CSI 3120	Discussion
0102	Chau-Wen Tseng MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 20) CSI 2117 CSI 3120	Discussion
0103	Chau-Wen Tseng MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 20) CSI 2117 CSI 3120	Discussion
0201	Jeffrey Foster MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 20) CSI 2117 CSI 3120	Discussion
0202	Jeffrey Foster MW 2:00pm - 3:15pm F 3:00pm - 3:50pm	Seats (Total: 20) CSI 2117 CSI 3120	Discussion
0203	Jeffrey Foster MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 20) CSI 2117 CSI 3120	Discussion

CMSC351 **Algorithms**

CMSC351 *(PermReq)* **Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: CMSC212 and CMSC250: each with a grade of C (2.0) or better; and permission of department. CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002. Credit will be granted for only one of the following: CMSC251 or CMSC351. Formerly CMSC251. A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Michelle Hugue MWF 1:00pm - 1:50pm	Seats (Total: 60) CSI 3117
0201	Evan Golub MW 12:30pm - 1:45pm	Seats (Total: 65) CSI 2117

CMSC390 **Honors Paper**

CMSC390 *(PermReq)* **Honors Paper; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to CMSC Honors Program. Special study or research directed toward preparation of honors paper.

Contact department for information to register for this course.

CMSC411 **Computer Systems Architecture**

CMSC411 Computer Systems Architecture; (3 credits) Grade Method: REG.
Prerequisite: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student.
Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0101	Chau-Wen Tseng TuTh 9:30am - 10:45am	Seats (Total: 30) CSI 3117

CMSC412 **Operating Systems**

CMSC412 Operating Systems; (4 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. An introduction to batch systems, spooling systems, and third-generation multiprogramming systems. Description of the parts of an operating system in terms of function, structure, and implementation. Basic resource allocation policies.

0101	Neil Spring TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 20) CSI 1122 CSI 2118	 Discussion
0102	Neil Spring TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 20) CSI 1122 CSI 2118	 Discussion

CMSC414 **Computer and Network Security**

CMSC414 *(PermReq)* **Computer and Network Security; (3 credits)** Grade Method: REG.
Prerequisite: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

0101	Jonathan Katz MW 3:30pm - 4:45pm	Seats (Total: 45) CSI 1121	

CMSC417 **Computer Networks**

CMSC417 Computer Networks; (3 credits) Grade Method: REG.
Prerequisite: A grade of C or better in CMSC351, a grade of C or better in (CMSC311 or ENEE350), and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

0101	Ashok Agrawala	Seats (Total: 35)
	TuTh 8:00am - 9:15am	CSI 1115

CMSC420 **Data Structures**

CMSC420 Data Structures; (3 credits) Grade Method: REG.
Prerequisites: A grade of C or better in CMSC330 and in CMSC351; and permission of department; or CMSC graduate student. Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Michelle Hugue	Seats (Total: 60)
	TuTh 2:00pm - 3:15pm	CSI 1115

CMSC421 **Introduction to Artificial Intelligence**

CMSC421 Introduction to Artificial Intelligence; (3 credits) Grade Method: REG.
Prerequisites: A grade of C or better in CMSC330 and in CMSC351; and permission of the department or CMSC graduate student. Areas and issues in artificial intelligence, including search, inference, knowledge representation, learning, vision, natural languages, expert systems, robotics. Implementation and application of programming languages (e.g. LISP, PROLOG, SMALLTALK), programming techniques (e.g. pattern matching, discrimination networks) and control structures (e.g. agendas, data dependencies).

0101	James Reggia	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	CSI 1121

CMSC423 **Bioinformatic Algorithms, Databases, and Tools**

CMSC423 Bioinformatic Algorithms, Databases, and Tools; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CMSC351 or permission of department. A practical introduction to the main topics in algorithms, databases, and tools used in bioinformatics. Includes public databases such as Genbank and PDG, software tools such as BLAST, and their underlying algorithms. Use of Perl scripting language to perform a number of useful tasks in analyzing sequence data and managing bioinformatic databases.

0101	Mihai Pop	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	CSI 1121

CMSC424 **Database Design**

CMSC424 Database Design; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: CMSC420 with a grade of C or better; and permission of department; or CMSC graduate student. Motivation for the database approach as a mechanism for modeling the real world. Review of the three popular data models: relational, network, and hierarchical. Comparison of permissible structures, integrity constraints, storage strategies, and query facilities. Theory of database design logic.

0101	Amol Deshpande	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 1121

CMSC427 **Computer Graphics**

CMSC427 Computer Graphics; (3 credits) Grade Method: REG.
Prerequisites: MATH240; and a grade of C or better in CMSC420; and permission of department; or CMSC graduate student. An introduction to the principles of computer graphics. Includes an introduction to graphics displays and systems. Introduction to the mathematics of affine and projective transformations, perspective, curve and surface modeling, algorithms for hidden-surface removal, color models, methods for modeling illumination, shading, and reflection.

0101	David Mount	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	CSI 3120

CMSC433 **Programming Language Technologies and Paradigms**

CMSC433 Programming Language Technologies and Paradigms; (3 credits) Grade Method: REG.
Prerequisite: CMSC330; and permission of department; or CMSC graduate student. Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

0101	Adam Porter	Seats (Total: 35)
	TuTh 9:30am - 10:45am	CSI 1122

CMSC434 **Introduction to Human-Computer Interaction**

CMSC434 Introduction to Human-Computer Interaction; (3 credits) Grade Method: REG.
Prerequisites: CMSC330 with a grade of C or better and PSYC100; and permission of department; or CMSC graduate student. Assess usability by quantitative and qualitative methods. Conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. Apply design processes and guidelines to develop professional quality user interfaces. Build low-fidelity paper mockups, and a high-fidelity prototype using contemporary tools such as graphic editors and a graphical programming environment (eg: Visual Basic, Java).

0101	Ben Bederson	Seats (Total: 40)
	MW 2:00pm - 3:15pm	CSI 1121

CMSC435 **Software Engineering**

CMSC435 Software Engineering; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: (CMSC412, CMSC417, CMSC420, CMSC430, or CMSC433) with a grade of C or better and permission of department; or CMSC graduate student. State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

0101	James Purtilo	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	CSI 1122

CMSC451 **Design and Analysis of Computer Algorithms**

CMSC451 Design and Analysis of Computer Algorithms; (3 credits) Grade Method: REG.
Prerequisite: a grade of C or better in CMSC351; and permission of department; or CMSC graduate student. Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

0101	Carleton Kingsford	Seats (Total: 35)
	MW 11:00am - 12:15pm	CSI 3120

CMSC456 **Cryptology**

CMSC456 Cryptology; (3 credits) Grade Method: REG.
Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351; and permission of department; or CMSC graduate student. Also offered as MATH456. Credit will be granted for only one of the following: CMSC456 or MATH456.
Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.

0101	Aravind Srinivasan	Seats (Total: 35)
	MWF 11:00am - 11:50am	EGR 1108

CMSC460 **Computational Methods**

CMSC460 Computational Methods; (3 credits) Grade Method: REG.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Harland Glaz	Seats (Total: 34)
	TuTh 3:30pm - 4:45pm	MTH 0201

CMSC466 **Introduction to Numerical Analysis I**

CMSC466 Introduction to Numerical Analysis I; (3 credits) Grade Method: REG.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Manuel Tiglio	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 4122

CMSC498A **Selected Topics in Computer Science**

CMSC498A *(PermReq)* **Selected Topics in Computer Science; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC498P **Selected Topics in Computer Science; Industrial Practices Apprenticeship**

CMSC498P *(PermReq)* **Selected Topics in Computer Science: Industrial Practices Apprenticeship; (1 credit)** Grade Method: REG.
Co-requisite: CMSC 435.

0101	James Purtilo	Seats (Total: 30)
	Contact instructor or department for details.	

CMSC499A **Independent Undergraduate Research**

CMSC499A *(PermReq)* **Independent Undergraduate Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC631 **Program Analysis and Understanding**

CMSC631 Program Analysis and Understanding; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 430 or equivalent. Techniques for static analysis of source code and modern programming paradigms. Analysis techniques: data flow analysis, program dependence graphs, program slicing, abstract interpretation. The meaning of programs: denotational semantics, partial evaluation. Advanced treatment of abstraction mechanisms: polymorphic types, operation overloading, inheritance, object-oriented programming and ML-like programming languages.

0101	Michael Hicks	Seats (Total: 15)
	MW 12:30pm - 1:45pm	CSI 2118

CMSC634 **Empirical Research Methods for Computer Science**

CMSC634 Empirical Research Methods for Computer Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: Computer Science graduate student or permission of instructor. Recommended: Introductory statistics class. Credit will be granted for only one of the following: CMSC838G (Fall 2005) or CMSC634. A graduate-level introductory course on empirical reseach methods for computer scientists. Experimental techniques for evaluating software systems and processes, human performance using interfaces, programming environments, and software engineering methods. Introduction to constructs and methods of measurements, qualitative and quantitative design, quasi-experimental and non-experimental design, baseline design, and statistical analysis.

0101	Vibha Sazawal	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	CSI 2118

CMSC652 **Complexity Theory**

CMSC652 Complexity Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC451 or CMSC452; or permission of instructor. Credit will be granted for only one of the following: CMSC652 or CMSC858G. Formerly CMSC858G. This course will define what it means for a problem to be hard (or easy) in a variety of ways. The emphasis will be on natural problems. Topics may include NP-completeness, Sparse Sets, Graph Isomoprhism (why it is thought to not be NP-complete), Counting problems, and approximation problems.

0101	Aravind Srinivasan	Seats (Total: 15)
	MW 12:30pm - 1:45pm	CSI 3120

CMSC660 **Scientific Computing I**

CMSC660 *(PermReq)* **Scientific Computing I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: AMSC/CMSC/MAPL 460 or AMSC/CMSC/MAPL 466, or knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation) with permission of instructor. Knowledge of C or Fortran. Also offered as AMSC 660. Credit will be granted for only one of the following: AMSC 660, CMSC 660 or MAPL 660. Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software for each topic.

0101	Dianne O'Leary	Seats (Total: 30)
	M 4:00pm - 7:00pm	CSI 2118

CMSC662 **Computer Organization and Programming for Scientific Computing**

CMSC662 Computer Organization and Programming for Scientific Computing; (3 credits) Grade Method: REG.
Prerequisite: AMSC/CMSC/MAPL 460, AMSC/CMSC/MAPL 466 or knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation) with permission of instructor. Knowledge of C or Fortran. Also offered as AMSC 662. Credit will be granted for only one of the following: AMSC 662 or CMSC 662. This course presents fundamentals issues of computer hardware, software, parallel computing, and scientific data management for programming for scientific computation.

0101	Ramani Duraiswami TuTh 12:30pm - 1:45pm	Seats (Total: 30) JMP 1109

CMSC663 **Advanced Scientific Computing I**

CMSC663 Advanced Scientific Computing I; (3 credits) Grade Method: REG. Also offered as AMSC663.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 25) CHE 2118

CMSC666 **Numerical Analysis I**

CMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisites: AMSC/CMSC/MAPL 466; and MATH 410. Also offered as AMSC 666. Credit will be granted for only one of the following: AMSC 666, CMSC 666 or MAPL 666.* Iterative methods for linear systems, piecewise interpolation, eigenvalue problems, numerical integration.

0101	Eitan Tadmor TuTh 2:00pm - 3:15pm	Seats (Total: 25) CSI 4122

CMSC712 **Distributed Algorithms and Verification**

CMSC712 Distributed Algorithms and Verification; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 612 or equivalent. Study of algorithms from the distributed and concurrent systems literature. Formal approach to specifying, verifying, and deriving such algorithms. Areas selected from mutual exclusion, resource allocation, quiescence detection, election, Byzantine agreements, routing, network protocols, and fault-tolerence. Formal approaches will handle system specification and verification of safety, liveness, and real-time properties.

0101	A.U. Shankar TuTh 3:30pm - 4:45pm	Seats (Total: 15) CSI 3120

CMSC722 **Artificial Intelligence Planning**

CMSC722 Artificial Intelligence Planning; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC 421 or equivalent; or permission of department.* Automated planning of actions to accomplish some desired goals. Basic algorithms, important systems, and new directions in the field of artificial intelligence planning systems.

0101	Dana Nau	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	CSI 2120

CMSC723 **Computational Linguistics I**

CMSC723 Computational Linguistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC421 or equivalent; or permission of instructor. PhD Comp credit for CMSC723 or CMSC823, not both. Also offered as LING723. Not open to students who have completed LING645.* Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantics interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.

0101	Jimmy Lin	Seats (Total: 40)
	W 4:00pm - 6:30pm	CSI 2107

CMSC725 **Geographical Information Systems and Spatial Databases**

CMSC725 Geographical Information Systems and Spatial Databases; (3 credits) Grade Method: REG/AUD.
Prerequisites: CMSC 420 and CMSC 424; or permission of instructor. Topics in geographic information systems and spatial databases. Integrates related results from databases, cartography, geography, computer graphics, file access methods, computational geometry, image processing, data structures, and programming languages. Topics include: cartographic modeling, principles of cartography, methods from computational geometry, principles of spatial databases, access methods, and spatial data structures. The architecture of some existing spatial databases and geographic information systems will be examined in greater detail.

0101	Hanan Samet	Seats (Total: 15)
	TuTh 9:30am - 10:45am	CSI 2120

CMSC734 **Information Visualization**

CMSC734 Information Visualization; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC434 or Human-Computer Interaction experience. Formerly CMSC838F. Information visualization defined in relation to graphics, scientific visualization, databases, data mining, and human-computer interaction. Visualizations for dimensional, temporal, hierarchical and network data. Examines design alternatives, algorithms and data structures, coordinated views, and human factors evaluations of efficacy.

0101	Ben Shneiderman	Seats (Total: 30)
	W 4:00pm - 6:50pm	CSI 2118

CMSC737 **Fundamentals of Software Testing**

CMSC737 Fundamentals of Software Testing; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC435 or equivalent. Formerly CMSC838M. Examine fundamental software testing and related program analysis techniques. In particular, the important phases of testing will be reviewed, emphasizing th significance of each phase when testing different types of software. Concepts include: test generation, oracles, prioritization and coverage, regression and mutation testing, and program analysis.

0101	Atif Memon	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CSI 2107

CMSC760 **Advanced Linear Numerical Analysis**

CMSC760 Advanced Linear Numerical Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: AMSC/CMSC/MAPL 666 or permission of instructor. Also offered as AMSC 600. Credit will be granted for only one of the following: AMSC 600, CMSC760 or MAPL 760. Formerly CMSC770. Advanced topics in numerical linear algebra, such as dense eigenvalue problems, sparse elimination, iterative methods, and other topics.

0101	Howard Elman	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CSI 3120

CMSC798 **Graduate Seminar in Computer Science**

CMSC798 *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC798A **Graduate Seminar in Computer Science**

CMSC798A *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
CMSC majors only. Other majors require permission of department.

Contact department for information to register for this course.

CMSC799 **Master's Thesis Research**

CMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818A **Advanced Topics in Computer Systems**

CMSC818A *(PermReq)* **Advanced Topics in Computer Systems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818K **Advanced Topics in Computer Systems; Advanced Operating Systems**

CMSC818K Advanced Topics in Computer Systems: Advanced Operating Systems; (3 credits) Grade Method: REG/AUD.

0101	Peter Keleher	Seats (Total: 15)
	MW 9:30am - 10:45am	CSI 3120

CMSC828A **Advanced Topics in Information Processing**

CMSC828A *(PermReq)* **Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC828C **Advanced Topics in Information Processing; Statistical and Neural Pattern Recognition**

CMSC828C Advanced Topics in Information Processing: Statistical and Neural Pattern Recognition; (1-3 credits) Grade Method: REG/AUD.

0101	Ramalingam Chellappa TuTh 11:00am - 12:15pm	Seats (Total: 45) CSI 2107

CMSC828G **Advanced Topics in Information Processing; Bioinformatics for Metagenomics**

CMSC828G Advanced Topics in Information Processing: Bioinformatics for Metagenomics; (3 credits) Grade Method: REG/AUD.

0101	Steven Salzberg TuTh 11:00am - 12:15pm	Seats (Total: 20) BSB 3118

CMSC828J **Advanced Topics in Information Processing**

CMSC828J Advanced Topics in Information Processing; (1-3 credits) Grade Method: REG/AUD.

0101	David Jacobs MW 2:00pm - 3:15pm	Seats (Total: 15) CSI 3120

CMSC828R **Advanced Topics in Information Processing**

CMSC828R Advanced Topics in Information Processing; (1-3 credits) Grade Method: REG/AUD.

0101	Nicholas Roussopoulos TuTh 2:00pm - 3:15pm	Seats (Total: 15) CSI 2120

CMSC828T **Advanced Topics in Information Processing**

CMSC828T *(PermReq)* **Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD.

0101	Venkatramanan Subrahmanian TuTh 12:30pm - 1:45pm	Seats (Total: 20) CSI 2107

CMSC828V **Advanced Topics in Information Processing; Recent Advances in Graphics and Visualization**

CMSC828V Advanced Topics in Information Processing: Recent Advances in Graphics and Visualization; (3 credits) Grade Method: REG/AUD.

0101	Amitabh Varshney TuTh 12:30pm - 1:45pm	Seats (Total: 15) CSI 2120

CMSC838 **Advanced Topics in Programming Languages**

CMSC838 Advanced Topics in Programming Languages; (2 credits) Grade Method: REG/AUD.

0101	Clyde Kruskal M 4:00pm - 6:00pm	Seats (Total: 20) CSI 2107

CMSC838A **Advanced Topics in Programming Languages**

CMSC838A *(PermReq)* **Advanced Topics in Programming Languages; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC858A **Advanced Topics in Theory of Computing**

CMSC858A *(PermReq)* **Advanced Topics in Theory of Computing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC858B **Advanced Topics in Theory of Computing; Error Correcting Codes**

CMSC858B Advanced Topics in Theory of Computing: Error Correcting Codes; (3 credits) Grade Method: REG/AUD.

0101	Alexander Barg MW 2:00pm - 3:15pm	Seats (Total: 30) EGR 2116

CMSC858L **Advanced Topics in Theory of Computing; Network Algorithms for Biology**

CMSC858L Advanced Topics in Theory of Computing: Network Algorithms for Biology; (3 credits) Grade Method: REG/AUD.

0101	Carleton Kingsford MW 3:30pm - 4:45pm	Seats (Total: 15) CSI 3120

CMSC858N **Advanced Topics in Theory of Computing; Game, Game Theory, and the Theory of Games**

CMSC858N Advanced Topics in Theory of Computing: Game, Game Theory, and the Theory of Games; (3 credits) Grade Method: REG/AUD.

0101	Clyde Kruskal TuTh 9:30am - 10:45am	Seats (Total: 15) CSI 1121

CMSC878A **Advanced Topics in Numerical Methods**

CMSC878A *(PermReq)* **Advanced Topics in Numerical Methods; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

CMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

CMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM Communication Fall 2009

COMM107 **Oral Communication: Principles and Practices**

COMM107 Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F.
Not open to students who have completed COMM100. Credit will be granted for only one of the following: COMM100 or COMM107. A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches. Attendance on the first day of classes is mandatory.

0101	Janna Raudenbush MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1176
0201	Jarim Kim TuTh 8:00am - 9:15am	Seats (Total: 24) SKN 0104
0301	Beth Sundstrom TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1184
0401	Lin Zhu MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1184
0501	Andrea Narvaez MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1184
0601	Hyunhee Kim TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1180
0701	Doo Lee TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1176
0801	Yoav Magid MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1176
0901	Yi Ren TuTh 8:00am - 9:15am	Seats (Total: 22) PLS 1162
1001	Jade Olson TuTh 12:30pm - 1:45pm	Seats (Total: 24) SKN 0104

1101	Stephanie Madden MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1180
1201	Jingwei Yu TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1176
1301	Katie Irwin TuTh 9:30am - 10:45am	Seats (Total: 22) PLS 1162
1401	Doo Lee TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1176
1501	Deepa Anagondahalli TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1184
1601	Rowena Kirby-Straker TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1184
1701	Yoav Magid MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1176
1801	Hyunhee Kim TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1180
1901	Jade Olson TuTh 2:00pm - 3:15pm	Seats (Total: 24) SKN 0104
2001	Brian Keenan MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1180
2101	Elizabeth Rossmiller MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1176
2201	Lin Zhu MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1184
2301	Elizabeth Rossmiller MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1176
2401	Brian Keenan MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1180

2501	Teng Zhang MWF 8:00am - 8:50am	Seats (Total: 24) SKN 0104
2601	Janna Raudenbush MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1176
2901	James Marconi MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1184
3001	Teng Zhang MWF 9:00am - 9:50am	Seats (Total: 24) SKN 0104
3101	Beth Sundstrom TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1184
3201	Jarim Kim TuTh 9:30am - 10:45am	Seats (Total: 24) SKN 0104
3301	Beth Kuch TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1180
3401	Jingwei Yu TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1176
3501	James Marconi MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1184
3601	Stephanie Madden MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1180
3901	Beth Kuch TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1180
4001	Andrea Narvaez MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1184

COMM107M Oral Communication: Principles and Practices

COMM107M Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F.
Not open to students who have completed COMM100. Credit will be granted for only one of the following: COMM100 or COMM107. Restricted to students in the Markets and Society Program.

2701	Alison Bassi MWF 11:00am - 11:50am	Seats (Total: 0) PLS 1180
2801	Alison Bassi MWF 10:00am - 10:50am	Seats (Total: 0) PLS 1180

COMM125 **Introduction to Interpersonal Communication**

COMM125 Introduction to Interpersonal Communication; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Concepts of interpersonal communication including perception, language and meaning, nonverbal communication, listening and feedback. Attendance on the first day of classes is mandatory.

0101	Ling Na TuTh 11:00am - 12:15pm	Seats (Total: 24) EGR 1102
0201	Ling Na TuTh 12:30pm - 1:45pm	Seats (Total: 24) CSS 2416

COMM200 **Critical Thinking and Speaking**

COMM200 Critical Thinking and Speaking; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues. Attendance on the first day of classes is mandatory.

0101	Lindsey Fox TuTh 12:30pm - 1:45pm	Seats (Total: 25) ASY 3219
0201	Robin Scholz MWF 10:00am - 10:50am	Seats (Total: 25) PLS 1111

0401	Robin Scholz MWF 11:00am - 11:50am	Seats (Total: 25) PLS 1115
FC01	Lindsey Fox TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) ASY 3219
FC02	Abbe Depretis TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) KEY 0103

COMM200U **Critical Thinking and Speaking**
Contact department for information to register for this course.

COMM230 **Argumentation and Debate**

COMM230 Argumentation and Debate; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate. Attendance on the first day of class is mandatory.

0101	Stephen Underhill TuTh 8:00am - 9:15am	Seats (Total: 24) SYM 0209
0201	Stephen Underhill TuTh 9:30am - 10:45am	Seats (Total: 24) SYM 0209
0301	Sean Luechtefeld TuTh 11:00am - 12:15pm	Seats (Total: 24) KEY 0120
0401	Sean Luechtefeld TuTh 12:30pm - 1:45pm	Seats (Total: 24) TYD 0101

COMM231 **News Writing and Reporting for Public Relations**

COMM231 *(PermReq)* **News Writing and Reporting for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Limited to COMM majors with sophomore and junior standing, or permission of department. Credit will be granted for only one of the following: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly JOUR231. Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Richard Toth M 11:00am - 12:50pm W 11:00am - 12:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Richard Toth M 3:00pm - 4:50pm W 3:00pm - 4:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Richard Toth Tu 11:00am - 12:50pm Th 11:00am - 12:50pm	Seats (Total: 18) PLS 1129 PLS 1129	 Lab

COMM232 **News Editing for Public Relations**

COMM232 *(PermReq)* **News Editing for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grade of C or better in COMM231 or equivalent and permission of department. Limited to COMM majors. Credit will be granted for only one of the following: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly JOUR232. Copy editing, graphic principles and processes, news and information technologies for public relations.

0101	Katie Place Tu 8:00am - 9:50am Th 8:00am - 9:50am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Katie Place Tu 10:00am - 11:50am Th 10:00am - 11:50am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM250 **Introduction to Communication Inquiry**

COMM250 Introduction to Communication Inquiry; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Robert Gaines MWF 11:00am - 11:50am	Seats (Total: 250) SKN 0200

COMM288 **Communication Internship**

COMM288 *(PermReq)* **Communication Internship; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM324 **Communication and Gender**

COMM324 Communication and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Nneka Ifeoma Ofulue TuTh 3:30pm - 4:45pm	Seats (Total: 140) TYD 0130
0201	Alyssa Samek TuTh 8:00am - 9:15am	Seats (Total: 35) KEY 0116
0301	William Lawson TuTh 3:30pm - 4:45pm	Seats (Total: 55) COL 3110

COMM330 **Argumentation and Public Policy**

COMM330 Argumentation and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0101	Abbe Depretis TuTh 12:30pm - 1:45pm	Seats (Total: 35) EGL 1202
0201	Abbe Depretis TuTh 2:00pm - 3:15pm	Seats (Total: 35) EGL 1202
0301	William Lawson TuTh 9:30am - 10:45am	Seats (Total: 45) COL 0101

COMM350 **Public Relations Theory**

COMM350 Public Relations Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Grade C or better in JOUR201, JOUR231, COMM231 or COMM250; or permission of department. For COMM majors only. Not open to students who have completed JOUR330. Credit will be granted for only one of the following: COMM350 or COMM430 or JOUR330 or JOUR530. Formerly JOUR330.* The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.

0101	Brooke Liu TuTh 2:00pm - 3:15pm	Seats (Total: 35) EGR 0135
0201	Brooke Liu TuTh 9:30am - 10:45am	Seats (Total: 35) SYM 0215

COMM351 **Public Relations Techniques**

COMM351 *(PermReq)* **Public Relations Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade C or better in JOUR202, JOUR232 or COMM232; and COMM350. For COMM majors only. Not open to students who have completed JOUR331. Credit will be granted for only one of the following: COMM351 or JOUR331. Formerly JOUR331. The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

0101	Lucinda Austin	Seats (Total: 18)	
	M 8:00am - 9:15am	EGR 3140	
	W 8:00am - 9:15am	EGR 3140	Lab
0201	Lucinda Austin	Seats (Total: 18)	
	M 9:30am - 10:45am	EGR 3140	
	W 9:30am - 10:45am	EGR 3140	Lab
0301	Linda Aldoory	Seats (Total: 18)	
	M 1:00pm - 2:15pm	EGR 3140	
	W 1:00pm - 2:15pm	EGR 3140	Lab

COMM352 **Specialized Writing in Public Relations**

COMM352 *(PermReq)* **Specialized Writing in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in COMM351. For COMM majors only. Not open to students who have completed JOUR332. Credit will be granted for only one of the following: COMM352 or JOUR332. Formerly JOUR332. Public Relations writing for science, technology, health, medicine, corporate finance, educational policy, law and government in broadcast and technical media, as well as newspapers, magazines, proposals, speeches and correspondence.

0101	Abbey Levenshus	Seats (Total: 18)	
	Tu 2:00pm - 3:15pm	EGR 3140	
	Th 2:00pm - 3:15pm	EGR 3140	Lab
0201	Mara Hobler	Seats (Total: 18)	
	Tu 12:00pm - 1:15pm	EGR 3140	
	Th 12:00pm - 1:15pm	EGR 3140	Lab

COMM354 **Public Relations Programs**

COMM354 Public Relations Programs; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM350. Not open to students who have completed JOUR334. Credit will be granted for only one of the following: COMM354 or JOUR334. Formerly JOUR334. Analysis of eight major programs typically carried out by public relations professionals: employee relations, media relations, financial relations, member relations, governmental relations, community relations, fundraising and dealing with activist public.

0101	Susan Simon TuTh 3:30pm - 4:45pm	Seats (Total: 45) TYD 2111

COMM360 **The Rhetoric of Black America**

COMM360 The Rhetoric of Black America; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0101	Artesha Taylor TuTh 11:00am - 12:15pm	Seats (Total: 30) SYM 0215
0201	Artesha Taylor TuTh 12:30pm - 1:45pm	Seats (Total: 30) PLS 1111

COMM370 **Mediated Communication**

COMM370 Mediated Communication; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: COMM250. Junior standing.* Analysis and critique of structure, performance, content, effects, and future of mediated communication.

0101	Sahar Khamis TuTh 12:30pm - 1:45pm	Seats (Total: 35) PLS 1117

COMM386 **Experiential Learning**

COMM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
45 hours of supervised internship per credit hour. Only 3 credits may be used to fulfill the requirements for the Communication major. Prerequisite: permission of department. Junior standing. For COMM majors only. Supervised internship experience with communication professionals. Relation of academic training to professional experience.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 65)
SG91	Julie Gowin Contact instructor or department for details.	Seats (Total: 20)

COMM388 **Communication Practicum**

COMM388 *(PermReq)* **Communication Practicum; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398 **Selected Topics in Communication**

COMM398 *(PermReq)* **Selected Topics in Communication; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398E **Selected Topics in Communication; Health Communication**

COMM398E Selected Topics in Communication: Health Communication; (3 credits) Grade Method: REG.

0101	Xiaoli Nan TuTh 3:30pm - 4:45pm *Restricted to COMM majors only.*	Seats (Total: 35) SKN 0104

COMM398V **Selected Topics in Communication; Visual Communication**

COMM398V Selected Topics in Communication: Visual Communication; (3 credits) Grade Method: REG.
For COMM majors only.

0101	Robert Coleman TuTh 5:00pm - 6:50pm	Seats (Total: 20) EGR 3140
0201	Robert Coleman TuTh 7:00pm - 8:50pm	Seats (Total: 20) EGR 3140
SG91	Robert Coleman TuTh 9:00am - 10:45am *Restricted to Shady Grove COMM students only.*	Seats (Total: 20) SG3 3212

COMM398Z **Selected Topics in Communication; Rhetoric of Media & Culture**

COMM398Z Selected Topics in Communication: Rhetoric of Media & Culture; (3 credits) Grade Method: REG.

SG91	Brecken Swartz MW 12:30pm - 1:45pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) SG3 2226	

COMM399 **Honors Thesis**

COMM399 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.

0601	Leah Waks Contact instructor or department for details.	Seats (Total: 10)	

COMM400 **Research Methods in Communication**

COMM400 Research Methods in Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250 and an introductory course in statistics. For COMM majors only. Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis). Attendance on the first day of class is mandatory. For majors only.

0101	Monique Turner TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0102	Monique Turner TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0103	Monique Turner TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0104	Monique Turner TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1129	Discussion

0105	Monique Turner TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 PLS 1129	 Discussion
0106	Monique Turner TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 EGR 3140	 Discussion

COMM401 **Interpreting Strategic Discourse**

COMM401 Interpreting Strategic Discourse; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Principles and approaches for practical analysis of discourse designed to shape audience opinion. Attendance on the first day of classes is mandatory.

0101	Kristjana Maddux TuTh 12:30pm - 1:45pm	Seats (Total: 120) CHE 2110	
0201	William Lawson TuTh 12:30pm - 1:45pm	Seats (Total: 50) ARC 1103	
SG91	William Lawson MW 11:00am - 12:15pm *This section is for Shady Grove COMM students only.*	Seats (Total: 40) SGII 2062	

COMM402 **Communication Theory and Process**

COMM402 Communication Theory and Process; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Philosophical and conceptual analysis of communication theories. Attendance on the first day of classes is mandatory.

0101	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) CHM 1402 SKN 1115	 Discussion

0102	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
0103	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) CHM 1402 SKN 1115	Discussion
0104	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
0105	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) CHM 1402 KEY 0125	Discussion
0106	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) CHM 1402 SKN 1112	Discussion
SG91	David Payne TuTh 11:00am - 12:15pm *Restricted to Shady Grove COMM students only.*	Seats (Total: 40) SG3 2225	

COMM424 **Communication in Complex Organizations**

COMM424 Communication in Complex Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Structure and function of communication within organizations: organizational climate and culture, information flow, networks and role relationships.

0101	Judith Tenney MW 2:00pm - 3:15pm	Seats (Total: 60) SKN 0104	
0201	Judith Tenney MW 3:30pm - 4:45pm	Seats (Total: 36) SKN 0104	

COMM425 **Negotiation and Conflict Management**

COMM425 Negotiation and Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Role of communication in shaping negotiation and conflict processes and outcomes.

0101	Sanja Novitsky	Seats (Total: 35)
	TuTh 9:30am - 10:45am	KEY 0126

COMM450 **Ancient and Medieval Rhetorical Theory**

COMM450 Ancient and Medieval Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Credit will be granted for only one of the following: COMM450, or COMM650. A survey of rhetorical theory in the ancient and medieval periods. Emphasis is placed on the theoretical problems that gave rise to its development within both periods. Authors include Isocrates, Plato, Aristotle, Cicero, Quintilian, Hermogenes, Martianus Capella, Aurelius Augustine, Alberic of Monte Cassino, Geoffrey of Vinsauf and Robert of Basevorn.

0101	Robert Gaines	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SQH 1119

COMM453 **The Power of Discourse in American Life**

COMM453 The Power of Discourse in American Life; (3 credits) Grade Method: REG/P-F/AUD.
The potential of language forms and strategic discourse to create, perpetuate, and alter patterns of political and cultural behavior. The influence of contemporary political and cultural discourse on public understanding, public policy, and day-to-day life.

0201	James Klumpp	Seats (Total: 35)
	TuTh 9:30am - 10:45am	HBK 0108

COMM460 **Public Life in American Communities, 1634-1900**

COMM460 Public Life in American Communities, 1634-1900; (3 credits) Grade Method: REG/P-F/AUD.
Ways that Americans have used their voice to create public life. Focus is on the diverse social communities that have characterized American life and the place and characteristics of oral discourse in each.

0101	James Klumpp TuTh 12:30pm - 1:45pm	Seats (Total: 35) JRN 1105

COMM468A **Seminar in Mediated Communication; Arab Media**

COMM468A Seminar in Mediated Communication: Arab Media; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sahar Khamis TuTh 9:30am - 10:45am	Seats (Total: 35) ASY 3203

COMM469Y **The Discourse of Social Movements; Communication and Religion**

COMM469Y The Discourse of Social Movements: Communication and Religion; (3 credits) Grade Method: REG/P-F/AUD.

0101	Nneka Ifeoma Ofulue TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1117

COMM470 **Listening**

COMM470 Listening; (3 credits) Grade Method: REG/P-F/AUD.
The principles of listening behavior.

0101	Andrew Wolvin TuTh 11:00am - 12:15pm	Seats (Total: 35) SKN 0104

COMM472 **Nonverbal Communication**

COMM472 Nonverbal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Nonverbal communication in human interaction theory and research on proxemics, kinesics and paralanguage as expression of relationship, affect and orientation within and across cultures.

0101	Judith Tenney MW 5:00pm - 6:15pm	Seats (Total: 90) SKN 0200

SG91	Judith Tenney MW 9:30am - 10:45am *Restricted to Shady Grove COMM students only.*	Seats (Total: 40) SG3 3219	

COMM475 **Persuasion**

COMM475 Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Bases of persuasion, with emphasis on recent experimental developments in persuasion.

0101	Xiaoli Nan TuTh 12:30pm - 1:45pm	Seats (Total: 35) HBK 0105	
0201	Sanja Novitsky TuTh 12:30pm - 1:45pm	Seats (Total: 35) TWS 0205	

COMM478 **Communication Colloquium**

COMM478 Communication Colloquium; (1 credit) Grade Method: REG/P-F/AUD.

0101	Brooke Liu F 12:00pm - 1:30pm	Seats (Total: 50) SKN 0200	

COMM482 **Intercultural Communication**

COMM482 Intercultural Communication; (3 credits) Grade Method: REG/P-F/AUD.
CORE Diversity (D) Course.
The major variables of communication in an intercultural context: cultural, racial and national differences; stereotypes; values; cultural assumptions; and verbal and nonverbal channels.

0101	Meina Liu MW 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 25) MMH 1400 TYD 2108	 Discussion
0102	Meina Liu MW 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 25) MMH 1400 SKN 1112	 Discussion

0103	Meina Liu MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 25) MMH 1400 TYD 2108	Discussion
0104	Meina Liu MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 25) MMH 1400 SKN 1112	Discussion
0105	Meina Liu MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 25) MMH 1400 TYD 2108	Discussion
0106	Meina Liu MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 25) MMH 1400 SKN 1112	Discussion
SG91	David Payne TuTh 2:00pm - 3:15pm *Restricted to Shady Grove COMM students only.*	Seats (Total: 30) SG3 2225	
SG92	David Payne TuTh 2:00pm - 3:15pm *Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.*	Seats (Total: 25) SG3 3220	

COMM483 **Senior Seminar in Public Relations**

COMM483 *(PermReq)* **Senior Seminar in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM351 and COMM400. Not open to students who have completed JOUR483. Credit will be granted for only one of the following: COMM483 or JOUR483. Formerly JOUR483. Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations.

0101	Susan Simon TuTh 9:30am - 10:45am	Seats (Total: 20) PLS 1158	

COMM489 **Topical Research**

COMM489 *(PermReq)* **Topical Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM498B **Seminar; Bateman Competition**

COMM498B *(PermReq)* **Seminar: Bateman Competition; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Richard Toth, Leah Waks	Seats (Total: 20)
	Contact instructor or department for details.	

COMM498P **Seminar; Models of Communication Processes**

COMM498P Seminar: Models of Communication Processes; (3 credits) Grade Method: REG/P-F/AUD.

0101	Edward Fink	Seats (Total: 35)
	MW 3:30pm - 4:45pm	TYD 1132

COMM630 **Seminar in Public Relations Management**

COMM630 Seminar in Public Relations Management; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed JOUR 630. Credit will be granted for only one of the following: COMM 630 or JOUR630. Formerly JOUR630. Relationship of public relations management to organizational structure and communication functions. Objectives, planning, staffing, budgeting, administering, and evaluation of public relations programs.

0101	Elizabeth Toth	Seats (Total: 15)
	W 3:30pm - 6:30pm	SKN 2127

COMM683 **Intercultural Communication Theory**

COMM683 Intercultural Communication Theory; (3 credits) Grade Method: REG/AUD.
An in-depth coverage of the essential theories of intercultural communication is provided.

0101	Edward Fink	Seats (Total: 15)
	Tu 10:00am - 1:00pm	SKN 2127

COMM686 **Teaching Communication**

COMM686 Teaching Communication; (1 credit) Grade Method: REG/AUD. *Formerly SPCH686.* Principles of effective teaching--content and process--in the college communication classroom.

0101	Andrew Wolvin	Seats (Total: 30)
	W 12:00pm - 1:00pm	SKN 2127

COMM688 **Communication Field Experience**

COMM688 *(PermReq)* **Communication Field Experience; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM698 **Special Problems in Communication**

COMM698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM700 **Introduction to Graduate Study in Communication**

COMM700 Introduction to Graduate Study in Communication; (3 credits) Grade Method: REG/AUD.
Prerequisite: admission to the Ph.D. program in COMM. Formerly SPCH700. Basic skills in communication research.

0101	Trevor Parry-Giles	Seats (Total: 30)
	Tu 3:30pm - 6:30pm	SKN 2127

COMM711 **Historical/Critical Methods in Communication Research**

COMM711 Historical/Critical Methods in Communication Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM 700 or permission of instructor. Formerly SPCH711. Methods for historical and critical research in communication. Formulation of significant research questions, systematic collection of bibliographic and phenomenal information, formulating substantial claims, organizing and writing research for disciplinary outlets.

0101	Kristjana Maddux	Seats (Total: 15)
	Th 3:30pm - 6:30pm	SKN 1112

COMM714 **Introduction to Qualitative Methods in Communication Research**

COMM714 *(PermReq)* **Introduction to Qualitative Methods in Communication Research; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of instructor. Methods for field research in communication including interiewing, ethnographic and participant intervention, focus groups, and content analysis. Formulation of significant research questions, systematic collection of field data, formulating substantial claims from the research, organizing and writing research from disciplinary outlets.

0101	Linda Aldoory	Seats (Total: 15)
	M 6:30pm - 9:30pm	SKN 2127

COMM738B **Seminar in Mediated Communication; Visuality and the Media**

COMM738B Seminar in Mediated Communication: Visuality and the Media; (3-12 credits) Grade Method: REG/AUD.

0101	Shawn Parry-Giles	Seats (Total: 15)
	W 3:30pm - 6:30pm	TYD 2110

COMM760 **Seminar in Political Communication**

COMM760 Seminar in Political Communication; (3 credits) Grade Method: REG/AUD.
Formerly SPCH760. A blend of theory and practice to integrate rhetorical-critical theory and empirical methods with politics. Practitioners in political communication will be drawn in as resource persons. Students will map the communication strategy for candidates and analyze actual campaign strategies.

0101	Trevor Parry-Giles	Seats (Total: 15)
	Tu 6:30pm - 9:30pm	SKN 2127

COMM776 **Seminar in Interpersonal Communication**

COMM776 Seminar in Interpersonal Communication; (3 credits) Grade Method: REG/AUD.
Formerly SPCH776. Interpersonal communication theory, research, and practice.

0101	Dale Hample	Seats (Total: 15)
	W 6:30pm - 9:30pm	SKN 2127

COMM777 **Persuasive Message Strategies**

COMM777 Persuasive Message Strategies; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: COMM 698P or COMM 777. Formerly COMM698P. Examines which persuasive messages are effective to change attitudes and behavior at what times and with what people.

0101	Monique Turner	Seats (Total: 15)
	Tu 6:30pm - 9:30pm	SKN 1115

COMM798 **Independent Study**

COMM798 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM799 **Master's Thesis Research**

COMM799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM888 **Doctoral Practicum in Communication**

COMM888 *(PermReq)* **Doctoral Practicum in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM889 **Doctoral Tutorial in Communication**

COMM889 *(PermReq)* **Doctoral Tutorial in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

COMM898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

COMM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology — Fall 2009

CONS608 **Seminar in Sustainable Development and Conservation Biology**

CONS608 *(PermReq)* **Seminar in Sustainable Development and Conservation Biology; (1-2 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	James Dietz	Seats (Total: 20)
	Th 12:00pm - 12:50pm	BPS 1208

CONS609 **Special Topics in Conservation Biology**

CONS609 *(PermReq)* **Special Topics in Conservation Biology; (1-3 credits)** Grade Method: REG/S-F.

0101	David Inouye Contact instructor or department for details.	Seats (Total: 20)
0102	James Dietz Contact instructor or department for details.	Seats (Total: 20)

CONS609A **Special Topics in Conservation Biology; Problem Solving Practicum**

CONS609A *(PermReq)* **Special Topics in Conservation Biology: Problem Solving Practicum; (1-3 credits)** Grade Method: REG/S-F.

0101	David Inouye Contact instructor or department for details.	Seats (Total: 20)

CONS609B **Special Topics in Conservation Biology; Women's Environmental Activism**

CONS609B *(PermReq)* **Special Topics in Conservation Biology: Women's Environmental Activism; (1-3 credits)** Grade Method: REG/S-F.

0101	David Inouye Contact instructor or department for details.	Seats (Total: 20)

CONS680 **Problem Solving in Conservation/Development**

CONS680 *(PermReq)* **Problem Solving in Conservation/Development; (4 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Students will be exposed to current problems in conservation and development through great lectures, field trips, interviews and appropriate literature. Working in teams, students will formulate recommendations based on a synthesis of biological, economic and policy considerations.

0101	James Dietz W 1:00pm - 5:00pm	Seats (Total: 17) COL 0117

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

CONS798 *(PermReq)* **Research Papers in Sustainable Development and Conservation Biology; (1-4 credits)** Grade Method: REG/S-F.

1111	David Inouye Contact instructor or department for details.	Seats (Total: 50)
1112	James Dietz Contact instructor or department for details.	Seats (Total: 50)

CPSP College Park Scholars Program Fall 2009

CPSP118A **College Park Scholars Colloquium I; Arts**

CPSP118A College Park Scholars Colloquium I: Arts; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Arts.

0101	Harold Burgess M 6:00pm - 7:15pm	Seats (Total: 90) CCC 1100

CPSP118B **College Park Scholars Colloquium I; Business, Society, and the Economy**

CPSP118B College Park Scholars Colloquium I: Business, Society, and the Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Business, Society, and the Economy.

0101	Mark Wellman Tu 5:00pm - 7:00pm	Seats (Total: 80) VMH 1330

CPSP118C **College Park Scholars Colloquium I; Advocates for Children**

CPSP118C College Park Scholars Colloquium I: Advocates for Children; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Advocates for Children.

0101	James DeGeorge W 2:00pm - 3:20pm	Seats (Total: 90) CCC 1205

CPSP118D **College Park Scholars Colloquium I; Science, Discovery, and Universe**

CPSP118D College Park Scholars Colloquium I: Science, Discovery, and Universe; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe. First colloquium will meet in CCC 1205.

0101	Paul Romani Th 4:00pm - 5:20pm	Seats (Total: 40) CCC 1205	
0102	Alan Peel Th 4:00pm - 5:20pm	Seats (Total: 40) CCC 1111	

CPSP118E **College Park Scholars Colloquium I; Environment, Technology and Economy**

CPSP118E College Park Scholars Colloquium I: Environment, Technology and Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Environment, Technology and Econom y.

0101	Katherine Grover W 3:30pm - 4:20pm Tu 3:00pm - 3:50pm	Seats (Total: 20) CCC 1205 CCC 1105	 Discussion
0102	Katherine Grover W 3:30pm - 4:20pm Tu 5:00pm - 5:50pm	Seats (Total: 20) CCC 1205 CCC 1105	 Discussion
0103	Katherine Grover W 3:30pm - 4:20pm Th 4:00pm - 4:50pm	Seats (Total: 20) CCC 1205 CCC 1105	 Discussion
0104	Katherine Grover W 3:30pm - 4:20pm W 3:00pm - 3:50pm	Seats (Total: 20) CCC 1205 CCC 1105	 Discussion

CPSP118G **College Park Scholars Colloquium I; Science and Global Change**

CPSP118G College Park Scholars Colloquium I: Science and Global Change; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz Tu 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100	

CPSP118J **College Park Scholars Colloquium I; Media, Self, and Society**

CPSP118J College Park Scholars Colloquium I: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha Th 3:30pm - 4:50pm	Seats (Total: 90) CCC 1100	

CPSP118L **College Park Scholars Colloquium I; Life Sciences**

CPSP118L College Park Scholars Colloquium I: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Reid Compton W 3:30pm - 5:30pm	Seats (Total: 100) PLS 1140	

CPSP118N **College Park Scholars Colloquium I; International Studies**

CPSP118N College Park Scholars Colloquium I: International Studies; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - International Studies. This course will meet every other week. The first class will meet on August 31, 2009.

0101	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 0103	 Discussion
0102	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 0118	 Discussion
0103	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 0122	 Discussion

0104	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 19) JMZ 0220 JMZ 2125	 Discussion

CPSP118P **College Park Scholars Colloquium I; Public Leadership**

CPSP118P College Park Scholars Colloquium I: Public Leadership; (1 credit)
Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	Stacy Kosko Tu 3:30pm - 4:45pm	Seats (Total: 25) CCC 1205
0201	Stacy Kosko W 2:00pm - 3:15pm	Seats (Total: 25) CCC 1111
0301	Stacy Kosko W 3:30pm - 4:45pm	Seats (Total: 25) CCC 1111

CPSP118T **College Park Scholars Colloquium I; Science, Technology, and Society**

CPSP118T College Park Scholars Colloquium I: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0101	Betsy Mendelsohn M 3:30pm - 4:50pm	Seats (Total: 90) CCC 1205

CPSP218A **College Park Scholars Colloquium II; Arts**

CPSP218A College Park Scholars Colloquium II: Arts; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Arts.

0101	Harold Burgess Tu 6:00pm - 7:15pm	Seats (Total: 80) CCC 1100

CPSP218B **College Park Scholars Colloquium II; Business, Society, and the Economy**

CPSP218B College Park Scholars Colloquium II: Business, Society, and the Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars-Business, Society, and the Economy.

0101	Mark Wellman Tu 5:00pm - 7:00pm	Seats (Total: 80) VMH 1333	

CPSP218E **College Park Scholars Colloquium II; Environment, Technology and Economy.**

CPSP218E College Park Scholars Colloquium II: Environment, Technology and Economy.; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Environment, Technology and Econom y.

0101	Katherine Grover W 5:00pm - 5:50pm Tu 4:00pm - 4:50pm	Seats (Total: 20) CCC 1100 CCC 1115	 Discussion
0201	Katherine Grover W 5:00pm - 5:50pm W 2:00pm - 2:50pm	Seats (Total: 20) CCC 1100 CCC 1115	 Discussion
0301	Katherine Grover W 5:00pm - 5:50pm Th 3:00pm - 3:50pm	Seats (Total: 20) CCC 1100 CCC 1115	 Discussion

CPSP218G **College Park Scholars Colloquium II; Earth, Life, and Time**

CPSP218G College Park Scholars Colloquium II: Earth, Life, and Time; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Earth, Life, and Time.

0101	Thomas Holtz M 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100

CPSP218J **College Park Scholars Colloquium II; Media, Self, and Society**

CPSP218J College Park Scholars Colloquium II: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha Tu 2:00pm - 3:20pm	Seats (Total: 80) CCC 1100

CPSP218L **College Park Scholars Colloquium II; Life Sciences**

CPSP218L *(PermReq)* **College Park Scholars Colloquium II: Life Sciences; (1 credit)** Grade Method: REG.
Restricted to College Park Scholars - Life Sciences. First lecture of the semester for all sections (including those listed as TBA) will meet on Tuesday, September 1, 2009 from 4-600pm in Symons 0200.

0101	Michael Montague-Smith, Reid Compton Contact instructor or department for details. Tu 4:00pm - 6:00pm	Seats (Total: 22) PLS 1176
0201	Reid Compton Contact instructor or department for details. Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1146
0301	William Higgins, Reid Compton Contact instructor or department for details. Tu 4:00pm - 6:00pm	Seats (Total: 22) PLS 1172
0401	Reid Compton, Patricia Shields, Rebecca Kenemuth Contact instructor or department for details. Th 4:00pm - 6:00pm	Seats (Total: 22) PLS 1164

CPSP218N **College Park Scholars Colloquium II; International Studies**

CPSP218N College Park Scholars Colloquium II: International Studies; (1 credit) Grade Method: REG.
Restricted to College Park Scholars International Studies.

0101	James Glass Tu 5:00pm - 6:15pm	Seats (Total: 20) CCC 1205
0102	James Glass Tu 5:00pm - 6:20pm	Seats (Total: 16) CCC 1111

0103	James Glass Tu 5:00pm - 6:20pm	Seats (Total: 16) CCC 1115
0104	Carmen Deanna, James Glass Tu 5:00pm - 6:20pm	Seats (Total: 16) CCC 1200

CPSP218P **College Park Scholars Colloquium II; Public Leadership**

CPSP218P College Park Scholars Colloquium II: Public Leadership; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	Jennifer Littlefield Tu 3:30pm - 4:45pm	Seats (Total: 25) TLF 0101
0201	Jennifer Littlefield W 2:00pm - 3:15pm	Seats (Total: 25) TLF 1126
0301	Jennifer Littlefield W 3:30pm - 4:45pm	Seats (Total: 25) TLF 1126

CPSP218R **College Park Scholars Colloquium II; Cultures of the Americas**

CPSP218R College Park Scholars Colloquium II: Cultures of the Americas; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - American Cultures.

0101	Sangeeta Ray, Gary Ford M 5:00pm - 6:20pm Contact instructor or department for details.	Seats (Total: 80) CCC 1205

CPSP227 **College Park Scholars Capstone: Science, Technology, and Society**

CPSP227 College Park Scholars Capstone: Science, Technology, and Society; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. *Prerequisite: An [SB] CORE course and admission to College Park Scholars Program.* Capstone course for College Park Scholars - Science, Technology, and Society Program. Exploration and understanding of ways science and technology shape and are shaped by society. Restricted to College Park Scholars - Science, Technology, and Society.

0101	David Tomblin TuTh 9:30am - 10:45am	Seats (Total: 20) CCC 1105	
0201	John Matthews TuTh 12:30pm - 1:45pm	Seats (Total: 20) CCC 1105	

CPSP229D **Supervised Online Communication Practicum; Science, Discovery, and the Universe**

CPSP229D Supervised Online Communication Practicum: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Neal Miller W 4:30pm - 5:50pm Th 4:00pm - 5:15pm	Seats (Total: 20) CCC 1205 JMP 2202	 Discussion

CPSP229T **Supervised Online Communication Practicum; Science, Technology, and Society**

CPSP229T Supervised Online Communication Practicum: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0201	YuChi Liao W 5:00pm - 6:20pm	Seats (Total: 13) EGR 3140

CPSP239 **Individual Practicum**
Contact department for information to register for this course.

CPSP239A **Individual Practicum; ARTS**
Contact department for information to register for this course.

CPSP239D **Individual Practicum; Science, Discovery, and the Universe**

CPSP239D Individual Practicum: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Neal Miller W 4:30pm - 5:50pm Contact instructor or department for details.	Seats (Total: 30) CCC 1205

CPSP239L **Individual Practicum**

CPSP239L Individual Practicum; (1 credit) Grade Method: REG.

0101	Reid Compton Contact instructor or department for details.	Seats (Total: 1)

CPSP239P **Individual Practicum; Individual Practicum**
Contact department for information to register for this course.

CPSP239R **Individual Practicum; Cultures of the Americas**

CPSP239R Individual Practicum: Cultures of the Americas; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - American Cultures.

0101	Sangeeta Ray Contact instructor or department for details.	Seats (Total: 40)

CPSP239T **Individual Practicum; Science, Technology, and Society**

CPSP239T Individual Practicum: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars-Science, Technology, and Society.

0101	Betsy Mendelsohn Th 3:40pm - 5:00pm	Seats (Total: 15) CHS 1108
0102	Betsy Mendelsohn Contact instructor or department for details.	Seats (Total: 10)

CPSP249A **Service-Learning; Arts**

CPSP249A Service-Learning: Arts; (1 credit) Grade Method: REG.

0101	Harold Burgess Contact instructor or department for details.	Seats (Total: 15)

CPSP249D **Service-Learning; Science, Discovery, and the Universe**

CPSP249D Service-Learning: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Neal Miller W 4:30pm - 5:50pm Contact instructor or department for details.	Seats (Total: 25) CCC 1205

CPSP249L **Service-Learning; Life Sciences**

CPSP249L Service-Learning: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Reid Compton Contact instructor or department for details.	Seats (Total: 20)

CPSP249T **Service-Learning; Science, Technology, and Society**

CPSP249T Service-Learning: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0101	William Evans W 3:40pm - 5:00pm	Seats (Total: 12) PAC 1108
0201	Claire Robbins Contact instructor or department for details.	Seats (Total: 20)

CPSP259C **Discovery Projects Research; Advocacy and Child Policy**

CPSP259C Discovery Projects Research: Advocacy and Child Policy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Advocates for Children.

0101	Sharon Rubinstein W 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100

CPSP259D **Discovery Projects Research; Science, Discovery, and the Universe**

CPSP259D Discovery Projects Research: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Neal Miller W 4:30pm - 5:50pm M 4:30pm - 5:50pm	Seats (Total: 10) CCC 1205 CBD 1140

CPSP259J **Discovery Projects Research; Media, Self, and Society**
Contact department for information to register for this course.

CPSP318B **College Park Scholars Colloquium III; Business, Society and Economics**
Contact department for information to register for this course.

CPSP339 **Advanced Practicum**
Contact department for information to register for this course.

CPSP339A **Advanced Practicum; Arts**
Contact department for information to register for this course.

CPSP339B **Advanced Practicum; Business, Society, and the Economy**
Contact department for information to register for this course.

CPSP339C **Advanced Practicum; Advocates for Children**
Contact department for information to register for this course.

CPSP339D **Advanced Practicum; Science, Discovery, and the Universe**
Contact department for information to register for this course.

CPSP339E **Advanced Practicum; Environment, Technology and Economy.**
Contact department for information to register for this course.

CPSP339G	**Advanced Practicum; Earth, Life, and Time** **Contact department for information to register for this course.**
CPSP339J	**Advanced Practicum; Media, Self, and Society** **Contact department for information to register for this course.**
CPSP339L	**Advanced Practicum; Life Sciences** **Contact department for information to register for this course.**
CPSP339N	**Advanced Practicum; International Studies** **Contact department for information to register for this course.**
CPSP339P	**Advanced Practicum; Public Leadership** **Contact department for information to register for this course.**
CPSP339R	**Advanced Practicum; American Cultures** **Contact department for information to register for this course.**
CPSP339T	**Advanced Practicum; Science, Technology, and Society** **Contact department for information to register for this course.**
CPSP369	**Guided College Park Scholars Teaching** **Contact department for information to register for this course.**
CPSP369A	**Guided College Park Scholars Teaching; Arts** **Contact department for information to register for this course.**
CPSP369B	**Guided College Park Scholars Teaching; Business, Society, and the Economy** **Contact department for information to register for this course.**
CPSP369C	**Guided College Park Scholars Teaching; Advocates for Children** **Contact department for information to register for this course.**
CPSP369D	**Guided College Park Scholars Teaching; Science, Discovery, and the Universe** **Contact department for information to register for this course.**
CPSP369E	**Guided College Park Scholars Teaching; Environment, Technology and Economy.** **Contact department for information to register for this course.**

CPSP369G	**Guided College Park Scholars Teaching; Earth, Life, and Time** **Contact department for information to register for this course.**
CPSP369J	**Guided College Park Scholars Teaching; Media, Self, and Society** **Contact department for information to register for this course.**
CPSP369L	**Guided College Park Scholars Teaching; Life Sciences** **Contact department for information to register for this course.**
CPSP369N	**Guided College Park Scholars Teaching; International Studies** **Contact department for information to register for this course.**
CPSP369P	**Guided College Park Scholars Teaching; Public Leadership** **Contact department for information to register for this course.**
CPSP369R	**Guided College Park Scholars Teaching; Guided College Park Scholars Teaching: Cultures of the Americas.** **Contact department for information to register for this course.**
CPSP369T	**Guided College Park Scholars Teaching; Science, Technology, and Society** **Contact department for information to register for this course.**

DANC Dance Fall 2009

DANC102 **Rhythmic Training for Dance**

DANC102 *(PermReq)* **Rhythmic Training for Dance; (2 credits)** Grade Method: REG/P-F/AUD.
Restricted to DANC majors. All other majors will require permission. Basic approaches to rhythmic principles related to dance. Offered fall only.

0101	Isiah Johnson	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	PAC 1908	Lab

DANC109 **Improvisation I**

DANC109 *(PermReq)* **Improvisation I; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: by permission of department.

0101	Sharon Mansur TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1912	 Lab

DANC118 **Beginning Tap; Beginning Tap Dance**

DANC118 Beginning Tap: Beginning Tap Dance; (2 credits) Grade Method: REG/P-F/AUD.

0101	Mary Slater TuTh 12:30pm - 1:45pm	Seats (Total: 30) PKT 2102	 Lab
0102	Mary Slater TuTh 2:00pm - 3:15pm	Seats (Total: 25) PKT 2102	 Lab

DANC128 **Fundamentals of Ballet**

DANC128 Fundamentals of Ballet; (2 credits) Grade Method: REG/P-F/AUD.

0101	Betty Skeen MW 9:30am - 10:45am	Seats (Total: 30) PKT 2102	 Lab
0102	Vannia Ibarguen MW 11:00am - 12:15pm	Seats (Total: 30) PKT 2102	 Lab
0103	Vannia Ibarguen MW 12:30pm - 1:45pm	Seats (Total: 30) PKT 2102	 Lab

DANC138W **Introduction to Ethnic Dance; West African Dance**

DANC138W Introduction to Ethnic Dance: West African Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Diedre Dawkins TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1912	 Lab
0102	Diedre Dawkins TuTh 3:30pm - 4:45pm	Seats (Total: 30) PAC 1912	 Lab

DANC148 **Fundamentals of Modern Dance**

DANC148 Fundamentals of Modern Dance; (2 credits) Grade Method: REG/P-F/AUD.

0101	Dawn Springer MW 9:30am - 10:45am	Seats (Total: 30) PAC 1912	 Lab
0102	Florian Rouiller TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1610	 Lab
0103	Lauren Withhart TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1610	 Lab
0104	Betty Skeen TuTh 3:30pm - 4:45pm	Seats (Total: 30) PAC 1610	 Lab

DANC149 **Fundamentals of Modern Dance II**

DANC149 Fundamentals of Modern Dance II; (2 credits) Grade Method: REG.

0101	Lauren Withhart TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1610

DANC199 **Practicum in Choreography, Production and Performance I; Dance Workshop I**
Contact department for information to register for this course.

DANC200 **Introduction to Dance**

DANC200 Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms. Lecture/discussion only - no studio activity.

0101	Diane DeFries TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 0108
0201	Diane DeFries TuTh 12:30pm - 1:45pm	Seats (Total: 20) HBK 0108

0301	Barbara Gaskill MWF 9:00am - 9:50am	Seats (Total: 35) HBK 0108	
0401	Barbara Gaskill MWF 10:00am - 10:50am	Seats (Total: 35) HBK 0108	
FC01	April Gruber TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) ARC 1103	

DANC200S **Introduction to Dance**

DANC200S Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Restricted to College Park Scholars - Arts.

0201	Diane DeFries TuTh 12:30pm - 1:45pm	Seats (Total: 15) HBK 0108	

DANC208 **Choreography I**

DANC208 Choreography I; (3 credits) Grade Method: REG/P-F/AUD. Prerequisites: DANC 102 and DANC 109. Dance majors or by permission of the department only.

0101	Alvin Mayes MWF 2:00pm - 3:20pm	Seats (Total: 12) PAC 1912	Lab

DANC210 **Dance Production**

DANC210 Dance Production; (3 credits) Grade Method: REG/P-F/AUD.
A survey of theatre crafts and techniques involved in dance production, including lighting, sound, set and costume design and construction, stage-management and videotaping.

0101	Paul Jackson WF 3:30pm - 4:50pm M 3:30pm - 4:50pm	Seats (Total: 15) PAC 1924 PAC 1610	Lab

DANC228 **Ballet I**

DANC228 *(PermReq)* **Ballet I; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 27)	
	TuTh 9:30am - 10:45am	PAC 1908	Lab

DANC229 **Ballet II**

DANC229 *(PermReq)* **Ballet II; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	PAC 1908	Lab

DANC248 **Modern Dance I**

DANC248 *(PermReq)* **Modern Dance I; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: dance major standing or permission of department.

0101	Gesel Mason	Seats (Total: 25)	
	MWF 12:30pm - 1:50pm	PAC 1912	Lab

DANC249 **Modern Dance II**

DANC249 *(PermReq)* **Modern Dance II; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: DANC248 or permission of department.

0101	Alvin Mayes	Seats (Total: 25)	
	MWF 11:00am - 12:20pm	PAC 1912	Lab

DANC258 **Jazz I**

DANC258 Jazz I; (2 credits) Grade Method: REG/P-F/AUD.

0101	April Gruber	Seats (Total: 27)	
	TuTh 11:00am - 12:15pm	PKT 2102	Lab

DANC299 **Practicum in Choreography, Production and Performance II; Dance Workshop II**

Contact department for information to register for this course.

DANC308 **Choreography II**

DANC308 Choreography II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite DANC 208. Dance majors or permission of department required.

0101	Sharon Mansur	Seats (Total: 14)	
	MWF 3:30pm - 4:50pm	PAC 1912	Lab

DANC328 **Ballet III**

DANC328 *(PermReq)* **Ballet III; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC329 **Ballet IV**

DANC329 *(PermReq)* **Ballet IV; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC348 **Modern Dance III**

DANC348 *(PermReq)* **Modern Dance III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Dawn Springer	Seats (Total: 20)	
	MWF 12:30pm - 1:50pm	PAC 1610	Lab

DANC349 **Modern Dance IV**

DANC349 *(PermReq)* **Modern Dance IV; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Gesel Mason	Seats (Total: 20)	
	MWF 11:00am - 12:20pm	PAC 1610	Lab

DANC370 **Kinesiology for Dancers**

DANC370 Kinesiology for Dancers; (4 credits) Grade Method: REG/P-F/AUD.
For DANC majors only. A study of the biological and physical principles of movement and the effects of dancing upon the structure and function of the human body.

0101	Sharon Mansur	Seats (Total: 22)	
	MWF 9:00am - 10:45am	PAC 1908	

DANC386 **Experiential Learning**
Contact department for information to register for this course.

DANC388 **Choreography III**

DANC388 Choreography III; (3 credits) Grade Method: REG/P-F/AUD.
Dance majors or by the permission of the department only.

0101	Gesel Mason	Seats (Total: 10)	
	TuTh 3:30pm - 4:45pm	PAC 1908	Lab

DANC398 **Directed Studies in Dance**
Contact department for information to register for this course.

DANC399 **Practicum in Choreography, Production and Performance III; Dance Workshop III**
Contact department for information to register for this course.

DANC410 **Technical Theater Production for Dance**

DANC410 Technical Theater Production for Dance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC210 or equivalent; or permission of department. A study of the theoretical principles of production and the practical application of those principles to the presentation of dance works.

0101	Paul Jackson	Seats (Total: 5)	
	TBA	PAC 1810	

DANC448 **Modern Dance V**

DANC448 Modern Dance V; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: DANC 349 and aududition.

0101	Patrik Widrig	Seats (Total: 10)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC449 **Modern Dance VI**

DANC449 Modern Dance VI; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: DANC 448 and permission from the department

0101	Patrik Widrig	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC479 **Advanced Practicum in Dance**

DANC479 Advanced Practicum in Dance; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	
0102	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

DANC483 **History of Dance II**

DANC483 History of Dance II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: DANC200.* The development of dance from the Renaissance period to the present time and the relationship of dance forms to patterns of culture.

0101	Karen Bradley	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	PAC 1809	

DANC489 **Special Topics in Dance**

DANC489 *(PermReq)* **Special Topics in Dance; (1-3 credits)** Grade Method: REG/P-F/AUD.
Audition & Department Permission Required

0101	Sara Pearson, Patrik Widrig MW 5:30pm - 7:30pm	Seats (Total: 6) PAC 1912

DANC489F **Special Topics in Dance; Flamenco Dance**

DANC489F *(PermReq)* **Special Topics in Dance: Flamenco Dance; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Miriam Phillips TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 1912

DANC499 **Practicum in Choreography, Production and Performance IV**
Contact department for information to register for this course.

DANC600 **Introduction to Graduate Studies in Dance**

DANC600 Introduction to Graduate Studies in Dance; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Supervised writing of reports and articles on selected dance subjects. Study of library resources and interviewing techniques. Preparation for written documentation of thesis project.

0101	Miriam Phillips MW 9:30am - 10:45am	Seats (Total: 10) Location: TBA

DANC604 **Dance Pedogogy**

DANC604 Dance Pedogogy; (2 credits) Grade Method: REG/AUD.
Prerequisite: Admission to MFA in Dance or permission of department. Curriculum writing, lesson planning, class structure, assessment/grading, and practice in dance pedagogy. Includes preparation of syllabi and studio teaching practice. This course counts towards teacher ceritification in the State of Maryland.

0101	Karen Bradley MW 11:00am - 12:15pm	Seats (Total: 5) PAC 1924

DANC608 **Choreography for Groups**

DANC608 Choreography for Groups; (3 credits) Grade Method: REG/AUD.

0101	Sara Pearson	Seats (Total: 5)	
	MW 3:30pm - 5:00pm	PAC 1611	Lab

DANC610 **Workshop in the Direction of Dance Production**

DANC610 Workshop in the Direction of Dance Production; (3 credits) Grade Method: REG/AUD.
Prerequisite: DANC 410 or equivalent. A lecture/laboratory course dealing with the relationship of the director to all of the activities involved in the presentation of a dance concert.

0101	Paul Jackson	Seats (Total: 5)
	Contact instructor or department for details.	

DANC648 **Advanced Modern Dance Technique I**

DANC648 Advanced Modern Dance Technique I; (2 credits) Grade Method: REG/AUD.

0101	Patrik Widrig	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC649 **Advanced Modern Dance Technique II**

DANC649 Advanced Modern Dance Technique II; (2 credits) Grade Method: REG/AUD.

0101	Patrik Widrig	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC679 **Graduate Dance Performance**

DANC679 Graduate Dance Performance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC689 **Special Topics in Dance**

DANC689 *(PermReq)* **Special Topics in Dance; (1-3 credits)** Grade Method: REG/AUD.
Audition & Department Permission Required

0101	Patrik Widrig	Seats (Total: 6)
	MW 5:30pm - 7:30pm	PAC 1912

DANC689F **Special Topics in Dance; Flamenco Dance**

DANC689F *(PermReq)* **Special Topics in Dance: Flamenco Dance; (2 credits)** Grade Method: REG/AUD.

0101	Miriam Phillips	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	PAC 1912

DANC698 **Independent Study in Dance**

DANC698 Independent Study in Dance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC708 **Advanced Seminar in Choreography**

DANC708 Advanced Seminar in Choreography; (1-3 credits) Grade Method: REG/AUD.

0101	Sara Pearson	Seats (Total: 5)
	MW 3:30pm - 5:00pm	PAC 1611

DANC788 **Master's Tutorial for Choreography; Graduate Tutorial**

DANC788 Master's Tutorial for Choreography: Graduate Tutorial; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC789 **Directed Study in Dance Theory**

DANC789 Directed Study in Dance Theory; (2-6 credits) Grade Method: REG/AUD.

0101	Miriam Phillips Contact instructor or department for details.	Seats (Total: 1)
0501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 2)

DANC799 **Master's Thesis Project**

DANC799 Master's Thesis Project; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EALL East Asian Languages and Literatures — Fall 2009

EALL300 **The Languages of East Asia**

EALL300 The Languages of East Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
A survey of Chinese, Japanese, and Korean, and the languages of other East Asian nationalities. Provides a basic understanding of the structures of these languages. Topics covered include the characterizing features; the relationships of the languages to each other; the geographical, social, and historical settings. No knowledge of Asian languages is required. Taught in English.

0101	Samuel Ramsey MW 3:00pm - 4:15pm	Seats (Total: 35) JMZ 2206

ECON Economics — Fall 2009

ECON200 **Principles of Micro-Economics**

ECON200 Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

2101	Robert Schwab TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 30) TYD 0130 TYD 1108	Discussion
2102	Robert Schwab TuTh 11:00am - 12:15pm W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2103	Robert Schwab TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ASY 3203	Discussion
2104	Robert Schwab TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 30) TYD 0130 KEY 0126	Discussion
2105	Robert Schwab TuTh 11:00am - 12:15pm W 8:00am - 8:50am	Seats (Total: 30) TYD 0130 KEY 0103	Discussion
2106	Robert Schwab TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ASY 3211	Discussion
2107	Robert Schwab TuTh 11:00am - 12:15pm M 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
2108	Robert Schwab TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 MMH 3418	Discussion

2109	Robert Schwab TuTh 11:00am - 12:15pm F 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 KEY 1117	Discussion
2110	Robert Schwab TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 KEY 0116	Discussion
2111	Robert Schwab TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 30) TYD 0130 JRN 1105	Discussion
2112	Robert Schwab TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 ASY 3207	Discussion
2113	Robert Schwab TuTh 11:00am - 12:15pm M 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 TYD 1108	Discussion
2114	Robert Schwab TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 LEF 1201	Discussion
2201	Robert Schwab TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 ASY 3211	Discussion
2202	Robert Schwab TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 30) TYD 0130 ASY 3203	Discussion
2203	Robert Schwab TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1108	Discussion
2204	Robert Schwab TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 JRN 1105	Discussion

2205	Robert Schwab TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
2206	Robert Schwab TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 1108	Discussion
2207	Robert Schwab TuTh 9:30am - 10:45am F 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ASY 3207	Discussion
2208	Robert Schwab TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 0111	Discussion
2209	Robert Schwab TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 MMH 1304	Discussion
2210	Robert Schwab TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 0111	Discussion
2211	Robert Schwab TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1108	Discussion
2212	Robert Schwab TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 1108	Discussion
2213	Robert Schwab TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ASY 3207	Discussion
2214	Robert Schwab TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 30) TYD 0130 TYD 1108	Discussion

2301	Cindy Clement TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 1108	Discussion
2302	Cindy Clement TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 BPS 1228	Discussion
2303	Cindy Clement TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 0111	Discussion
2304	Cindy Clement TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 MMH 3418	Discussion
2305	Cindy Clement TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 KEY 0103	Discussion
2306	Cindy Clement TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ARM 0116	Discussion
2307	Cindy Clement TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
2308	Cindy Clement TuTh 2:00pm - 3:15pm F 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 KEY 0103	Discussion
2309	Cindy Clement TuTh 2:00pm - 3:15pm M 8:00am - 8:50am	Seats (Total: 30) TYD 0130 JRN 1105	Discussion
2310	Cindy Clement TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 JMZ 0103	Discussion

2311	Cindy Clement TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 COL 0102	Discussion
2312	Cindy Clement TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 MMH 3418	Discussion
2313	Cindy Clement TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 HJP 1229	Discussion
2314	Cindy Clement TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 BPS 0283	Discussion
2401	Henry Terrell TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0305	Discussion
2402	Henry Terrell TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0305	Discussion
2403	Henry Terrell TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0305	Discussion
2404	Henry Terrell TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 30) ARM 0131 MTH 0305	Discussion
2405	Henry Terrell TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0307	Discussion
2406	Henry Terrell TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0307	Discussion

2407	Henry Terrell TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0303	Discussion
2408	Henry Terrell TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 30) ARM 0131 MTH 0303	Discussion
2409	Henry Terrell TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0106	Discussion

ECON201 **Principles of Macro-Economics**

ECON201 Principles of Macro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Credit will be granted for only one of the following: ECON201 or ECON205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

0101	John Neri MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 400) TYD 0130 TYD 0130	Discussion
2001	Henry Terrell TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 250) HJP 0226 SKN 0200	Discussion

ECON300 **Methods and Tools for Economic Analysis**

ECON300 *(PermReq)* **Methods and Tools for Economic Analysis; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: By permission with ECON200, ECON201, and {MATH220 or MATH140} with a grade of 'C'(2.0) or better. For ECON majors only and permission of department. Not open to students who have completed MATH240 or MATH241.
Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Erkut Ozbay TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 31) SKN 0200 TYD 1102	Discussion
0102	Erkut Ozbay TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 31) SKN 0200 TYD 1108	Discussion
0103	Erkut Ozbay TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 31) SKN 0200 TYD 2102	Discussion
0104	Erkut Ozbay TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 31) SKN 0200 TYD 2110	Discussion
0105	Erkut Ozbay TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 31) SKN 0200 COL 0102	Discussion
0106	Erkut Ozbay TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) SKN 0200 HZF 0106	Discussion
0201	Pablo Federico MW 11:00am - 12:15pm	Seats (Total: 40) TYD 0102	

ECON305 **Intermediate Macroeconomic Theory and Policy**

ECON305 Intermediate Macroeconomic Theory and Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200, ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON325. ECON majors are required to take ECON325. Credit will be granted for only one of the following: ECON305 or ECON325. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	John Neri	Seats (Total: 260)
	MW 3:30pm - 4:45pm	ARM 0126

ECON306 **Intermediate Microeconomic Theory**

ECON306 Intermediate Microeconomic Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: (ECON200 or AREC250), ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON326. ECON majors are required to take ECON326. Credit will be granted for only one of the following: ECON306 or ECON326. Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.

0101	Peter Coughlin	Seats (Total: 260)
	TuTh 3:30pm - 4:45pm	SKN 0200

ECON310 **European Economic History**
Contact department for information to register for this course.

ECON311 **American Economic History Before the Civil War**

ECON311 American Economic History Before the Civil War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200 and ECON201.. For ECON majors only. Economic concepts are used to analyze various aspects of the founding and early history of the U.S., including the British settlement of the North American colonies, the economics of the American Revolutionary war, the writing of the Constitution, the development of financial markets, policies on public lands and the spread of western agriculture, slavery, banking, and early industrialization.

0201	John Wallis TuTh 12:30pm - 1:45pm	Seats (Total: 110) JMZ 0105

ECON314 **Economic History, Development and Policy**
Contact department for information to register for this course.

ECON315 **Economic Development of Underdeveloped Areas**

ECON315 Economic Development of Underdeveloped Areas; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200 and ECON201. Credit will be granted for only one of the following: ECON315 or ECON416. Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

SG91	Keith Kranker M 2:00pm - 4:40pm	Seats (Total: 40) SGII 3022
	Registration is restricted to BMGT-Shady Grove majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Gove.	

ECON317 **Global Economic Policies**

ECON317 Global Economic Policies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON200 and ECON201. For ECON majors only or by permission of department. Credit will be granted for only one of the following: ECON398C or ECON317. Formerly ECON398C. Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.

0101	Naveen Sarna TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 0111
0201	Naveen Sarna TuTh 5:00pm - 6:15pm	Seats (Total: 40) TYD 0111

ECON321 **Economic Statistics**

ECON321 Economic Statistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON200, ECON201, {MATH220 or MATH140} with a grade of 'C'(2.0) or better. For ECON majors only. Not open to students who have completed BMGT230 or BMGT231 (unless with department permission). Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Alka Gandhi TuTh 9:30am - 10:45am	Seats (Total: 200) ARM 0126	
0201	Alka Gandhi TuTh 11:00am - 12:15pm	Seats (Total: 40) ARM 0112	
0301	Huaqiang Ma MW 8:00am - 9:15am	Seats (Total: 40) TYD 0117	

ECON325 **Intermediate Macroeconomic Analysis**

ECON325 Intermediate Macroeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON305 (not accepted for major requirements) or ECON325. Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Sadik Aruoba MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) ARM 0135 KEY 0121	 Discussion
0102	Sadik Aruoba MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 HBK 1112	 Discussion

0103	Sadik Aruoba MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) ARM 0135 HJP 1229	Discussion
0104	Sadik Aruoba MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) ARM 0135 KEY 0116	Discussion
0105	Sadik Aruoba MW 2:00pm - 2:50pm F 8:00am - 8:50am	Seats (Total: 30) ARM 0135 TYD 1114	Discussion
0106	Sadik Aruoba MW 2:00pm - 2:50pm F 8:00am - 8:50am	Seats (Total: 30) ARM 0135 TYD 0101	Discussion
0201	Sanjay Chugh TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) TYD 0117 MTH 0411	Discussion
0202	Sanjay Chugh TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) TYD 0117 MTH 0411	Discussion
0203	Sanjay Chugh TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) TYD 0117 MTH 0307	Discussion

ECON326 **Intermediate Microeconomic Analysis**

ECON326 Intermediate Microeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON306 (not accepted for major requirements) or ECON326. Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asysmetric information.

0101	Melissa Kearney MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) JMZ 0220 ARM 0103	Discussion
0102	Melissa Kearney MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) JMZ 0220 BPS 1228	Discussion
0103	Melissa Kearney MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) JMZ 0220 TYD 1132	Discussion
0104	Melissa Kearney MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) JMZ 0220 TYD 1132	Discussion
0105	Melissa Kearney MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) JMZ 0220 LEF 1220	Discussion
0106	Melissa Kearney MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) JMZ 0220 LEF 1220	Discussion
0301	Jeanne Lafortune TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) BPS 1243 TYD 2108	Discussion
0302	Jeanne Lafortune TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) BPS 1243 TYD 0102	Discussion
0303	Jeanne Lafortune TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) BPS 1243 TYD 1114	Discussion

ECON330 **Money and Banking**

ECON330 Money and Banking; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201.* The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	John Neri MW 8:00am - 9:15am	Seats (Total: 360) TYD 0130
SG91	John Shea F 10:00am - 12:40pm	Seats (Total: 180) SGI 134
	Restricted to BMGT- Shady Grove majors. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ECON340 **International Economics**

ECON340 International Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201. Credit will be granted for only one of the following: ECON340 or ECON441.* Covers economic models of international transactions, exchange rates, and balance of payments. Analysis of policies of protection, devaluation, and exchange rate stabilization and their consequences.

SG91	Richard Haas MW 11:00am - 12:15pm	Seats (Total: 60) SG3 3230
	Restricted to BMGT- Shady Grove majors with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Barbara Lowrey MW 12:30pm - 1:45pm	Seats (Total: 60) SG3 3230
	Restricted to BMGT- Shady Grove majors with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

SG93	Barbara Lowrey	Seats (Total: 60)
	MW 2:00pm - 3:15pm	SG3 3230
	Restricted to BMGT- Shady Grove majors with 86 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ECON375 **Economics of Poverty and Discrimination**

ECON375 Economics of Poverty and Discrimination; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisites: (ECON200 and ECON201) or ECON205. The causes of the persistence of low income groups; the relationship of poverty to technological change, to economic growth, and to education and training; economic results of discrimination; proposed remedies for poverty and discrimination.

0101	Michele Ver Ploeg	Seats (Total: 40)
	TuTh 8:00am - 9:15am	TYD 1132

ECON386 **Experiential Learning**

ECON386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ECON200, ECON201, and cumulative GPA > 2.75; and permission of department. Junior standing. For ECON majors only. See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON396 **Independent Honors Study**

ECON396 *(PermReq)* **Independent Honors Study; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ECON422 and permission of department. Normally taken in senior year. Course will explore selected topics in economic theory and its application in depth. Analysis of methodologies in economic research and the development of student skills in research methods. Students will prepare workshop papers.

0101	Carlos Vegh	Seats (Total: 25)
	Tu 2:00pm - 4:45pm	JMZ 0118

ECON397 **Honors Thesis**
Contact department for information to register for this course.

ECON398 **Topics in Economics**
Contact department for information to register for this course.

ECON398H **Topics in Economics; British Economy and Financial System**
Contact department for information to register for this course.

ECON398L **Topics in Economics; The British Economy and Financial Systems**
Contact department for information to register for this course.

ECON399 **Individual Readings and Research For Undergraduates**

ECON399 *(PermReq)* **Individual Readings and Research For Undergraduates; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

Contact department for information to register for this course.

ECON401 **Current Issues in American Economic Policy**

ECON401 Current Issues in American Economic Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' or better (or ECON306 by permission of department). For ECON majors only. Analysis of current economic problems and public policies. Inflation, unemployment, market power, government regulation, poverty and distribution of income, federal budget and tax policy, environment.

0101	John Sabelhaus	Seats (Total: 40)
	TuTh 6:00pm - 7:15pm	TYD 1102

ECON412 **Economic History and Modern Development**

ECON412 Economic History and Modern Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of 'C' (2.0) or better (or ECON306 and ECON305 by permission). For ECON majors only. Analysis of major economic, political, and social change in the developed world since 1800. This includes factors contributing to increases in economic performance, changes in the form of government, technological change (including industrialization), and integration and disintegration of the global economy. Emphasis is on institional changes in how societies organize economic and political activities.

0101	Alka Gandhi TuTh 8:00am - 9:15am	Seats (Total: 40) ARM 0110
0201	John Tang MW 8:00am - 9:15am	Seats (Total: 40) TYD 1101

ECON414 **Game Theory**

ECON414 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' or better (or ECON306 by permission of department). For ECON majors only. Not open to students who have completed GVPT399A. Credit will be granted for only one of the following: ECON414 or GVPT399A. Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0101	Terence Johnson TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1132
0201	Randy Chugh MW 9:30am - 10:45am	Seats (Total: 40) TYD 2109

ECON416 **Theory of Economic Development**

ECON416 Theory of Economic Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 (or ECON305 by permission of department) and ECON321 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON315 or ECON416. Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.

0101	Sandeep Singh TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 1118
0301	Jeffrey Werling TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 1101
0501	Raymond Guiteras MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2108

ECON422 **Econometrics I**

ECON422 Econometrics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON321 (or STAT400) with a grade of 'C' (2.0) or better. For ECON majors only. Emphasizes the interaction between economic problems and the assumptions employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0101	Razvan Vlaicu WF 11:00am - 12:15pm	Seats (Total: 40) VMH 1207
0201	Maureen Cropper MW 2:00pm - 3:15pm	Seats (Total: 75) TYD 2106
0301	Yasin Mimir TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2111

ECON424 **Computer Methods in Economics**

ECON424 Computer Methods in Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 (or ECON305 and ECON306 by permission of department) and ECON321 with a grade of 'C' (2.0) or better. For ECON majors only. Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS.

0101	Ginger Jin TuTh 9:30am - 10:45am	Seats (Total: 36) PLS 1129
0201	Paul Bailey TuTh 8:00am - 9:15am	Seats (Total: 36) PLS 1129
0301	Salih Fendoglu MW 2:00pm - 3:15pm	Seats (Total: 36) PLS 1129

ECON435 **Financial Markets and the Macroeconomy**

ECON435 Financial Markets and the Macroeconomy; (3 credits) Grade Method: REG/P-F/AUD.
Finance majors will not receive credit for ECON435. Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Not open to students who have completed BMGT343 (for credit). Credit will be granted for only one of the following: BMGT343 or ECON435. Formerly ECON398F. The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

0101	Damyana Bakardzhieva TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 0101
0201	Damyana Bakardzhieva TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 1132

ECON441 **Theory of International Economics**

ECON441 Theory of International Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of 'C' (2.0) or better (or ECON305 and ECON306 by permission of department). For ECON majors only. Not open to students who have completed ECON340. Credit will be granted for only one of the following: ECON340 or ECON441. Theoretical treatment of international trade and international finance. Includes Ricardian and Heckscher-Ohlin theories of comparative advantage, analysis of tariffs and other trade barriers, international factor mobility, balance of payments adjustments, exchange rate determination, and fiscal and monetary policy in an open economy.

0101	Damyana Bakardzhieva TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 0111
0201	Mishelle Segui TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1114

ECON442 **Globalization and Capital Markets**

ECON442 *(PermReq)* **Globalization and Capital Markets; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of 'C' (2.0) or better (or ECON305 and ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON398M or ECON442. Formerly ECON398M. Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.

0101	Enrique Mendoza MW 2:00pm - 3:15pm	Seats (Total: 25) TYD 2102

ECON451 **Public Choice**

ECON451 Public Choice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.

0101	Peter Coughlin TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 1114

ECON454 **Public Finance and Public Policy**

ECON454 Public Finance and Public Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON350 or ECON454. Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

0201	Charles Hulten MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 1132

ECON460 **Industrial Organization**

ECON460 Industrial Organization; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Changing structure of the American economy; price policies in different industrial classifications of monopoly and competition in relation to problems of public policy.

0101	Cindy Clement TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 0126
0201	Giorgo Sertsios TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 0117

ECON465 **Health Care Economics**

ECON465 Health Care Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Analysis of health care, the organization of its delivery and financing. Access to care; the role of insurance; regulation of hospitals, physicians, and the drug industry; role of technology; and limits on health care spending.

0101	John Sabelhaus MW 5:00pm - 6:15pm	Seats (Total: 40) TYD 1102	

ECON470 **Theory of Labor Economics**

ECON470 Theory of Labor Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON370 or ECON470. An analytical treatment of theories of labor markets. Marginal productivity theory of labor demand; allocation of time in household labor supply models; theory of human capital; earnings differentials; market structure and the efficiency of labor markets; the role of trade unions; discrimination; and unemployment.

0201	Judith Hellerstein TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 2108	
0202	Ephraim Leibtag MW 9:30am - 10:45am	Seats (Total: 40) TYD 1101	

ECON601 **Macroeconomic Analysis I**

ECON601 *(PermReq)* **Macroeconomic Analysis I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Introductory technical treatment of standard Keynesian, classical and new classical macroeconomic models. Expectations formation and microeconomic foundations of consumption, investment, money demand, and labor market behavior.

0101	John Shea, Allan Drazen MW 9:30am - 10:45am M 5:00pm - 7:00pm	Seats (Total: 40) TYD 1114 TYD 1114	 Discussion

ECON603 **Microeconomic Analysis I**

ECON603 *(PermReq)* **Microeconomic Analysis I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. A detailed treatment of the theory of the consumer and of the firm, particularly emphasizing the duality approach. Topics include the household production model, imperfect competition, monopolistic and oligopolistic markets.

0101	Emel Filiz Ozbay, Lawrence Ausubel	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	TYD 2111	
	Th 3:30pm - 5:30pm	TYD 1132	Discussion
0201	Emel Filiz Ozbay, Lawrence Ausubel	Seats (Total: 35)	
	TuTh 11:00am - 12:15pm	TYD 1114	
	F 12:00pm - 1:45pm	TYD 2111	Discussion

ECON613 **Origins and Development of Capitalism**

ECON613 Origins and Development of Capitalism; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Advanced special students not permitted. Institutions and technology shaping pre-capitalist economies: Archaic, Greek and Roman, Feudal, and Mercantile. Rise of the market system, national economies, and capitalism. The nature of industrial society. Imperialism.

0101	John Wallis	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMZ 1215

ECON623 **Econometrics I**

ECON623 *(PermReq)* **Econometrics I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Advanced knowledge of probability and statistics, linear algebra, and permission of department. Specification, estimation, hypothesis testing and prediction in the classical and generalized linear regression model. Topics include: ordinary least squares, generalized least squares, instrumental variableestimation, quantile regression, finite and large sample analysis and general testing principles including misspecification tests. The course will also provide instructions on the use of a major statistical packagesuch as Stata or TSP.

0101	John Rust	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm Th 5:00pm - 6:45pm	TYD 2110 PLS 1111	 Discussion

ECON626 **Empirical Microeconomics**

ECON626 *(PermReq)* **Empirical Microeconomics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON622, ECON624, or ECON721. For ECON majors only. To provide students with the opportunity to use empirical techniques that are particularly valuable in the analysis of microeconomic data. Topics include panel data, nonlinear optimization, limited dependent variables, truncated, censored, selected samples, the analysis of natural experiments, and quantile regressions. This course will emphasize hands-on practical experience.

0101	Raymond Guiteras	Seats (Total: 30)	
	MW 11:00am - 12:15pm F 4:00pm - 6:00pm	TYD 2102 TYD 2111	 Discussion

ECON630 **Computational Methods in Macroeconomics**

ECON630 *(PermReq)* **Computational Methods in Macroeconomics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON601 and ECON602. ECON majors only and non-ECON major by permission of department. Essential computational methods used in macroeconomics. There will be particular focus on approximating the solution to dynamic stochastic general equilibrium models. Methods for representative-agent and heterogeneous-agent models will be extensively studied. Econometric methods such as Generalized Method of Moments, Maximum Likelihood, Vector Autoregressions wil also be covered.

0101	Sadik Aruoba, Pablo D'Erasmo	Seats (Total: 12)	
	MW 9:30am - 10:45am	Location: TBA	

ECON652 **Public Economics I**

ECON652 Public Economics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 604 and ECON 621; or ECON 624. The characteristics and effects of government programs whose role is redistribution and social insurance are considered. Examples include cash welfare assistance, unemployment insurance, and Social Security. The focus is on U.S. programs, though other countries may be considered. Both theories of program design and empirical research on program effects will be covered. Topics in empirical methodology generally will also be stressed.

0101	Barrett Kirwan	Seats (Total: 20)
	MW 9:30am - 10:45am	TYD 2102

ECON662 **Industry Structure, Conduct, and Performance**

ECON662 Industry Structure, Conduct, and Performance; (3 credits) Grade Method: REG/AUD.
Prerequisites: ECON 603 and ECON 604. This course studies theories of industry structure, conduct and performance. Topics inlcude long run industry structures and dynamics, d durable goods monopoly, price discrimination, classical models of oligopoly, models of entry and limit pricing, dynamic oligopoly and collusion, R&D ubcebtuves abd competitive R&D.

0101	Daniel Vincent	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 2109

ECON664 **Empirical Studies in Industrial Organization**

ECON664 Empirical Studies in Industrial Organization; (3 credits) Grade Method: REG.
Prerequisites: ECON 603, ECON 604, and either ECON 621 or ECON 624. Recommended: ECON 661, ECON 662, ECON 626. Credit will be granted for only one of the following: ECON 664 or ECON 698J. Formerly ECON698J. Review recent empirical literature in industrial organization. Covers price discrimination, cartel and collusion, entry and market structure, information and competition, technological change and adoption, auction, and firm organization.

0101	Ginger Jin	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TYD 2102

ECON681 **Comparative Institutional Economics I**

ECON681 Comparative Institutional Economics I; (3 credits) Grade Method: REG/AUD.
Theory, empirics, and practice of economic institutions. Genesis, functions, and effects of institutions. Examinations of three major institutions, property, contract, and decentralization. Historical, cultural, political, and economic origins of institutions. Case studies from English history, comparative legal studies, China, history of world economic development, transition, and socialism. Perspectives from law and economics, contract theory, and information theory.

0101	Peter Murrell	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 2110

ECON698 **Selected Topics in Economics**

ECON698 *(PermReq)* **Selected Topics in Economics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON701 **Advanced Macroeconomics I**

ECON701 Advanced Macroeconomics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON 601; and ECON 602.* Recent developments in macroeconomics with an emphasis on topics and techniques useful for conducting research in macroeconomics. Topics include advanced treatment of fiscal and monetary policy issues; the role of imperfect competition; real, sectoral and nominal business cycle models.

0101	Sanjay Chugh	Seats (Total: 25)
	TuTh 9:30am - 10:45am	TYD 1132

ECON703 **Advanced Microeconomics I**

ECON703 Advanced Microeconomics I; (3 credits) Grade Method: REG/AUD. *Prerequisites: ECON 603 and ECON 604.* Formal treatment of game theory and its microeconomic applications are presented, emphasizing dynamics and information. Equilibrium concepts for static and dynamic games, and games with complete and incomplete information are studied. Topics also discussed: mechanism design, efficiency, reputations, signaling, and screening.

0101	Peter Cramton TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 0111

ECON708 **Advanced Topics in Applied and Theoretical Microeconomics**

ECON708 *(PermReq)* **Advanced Topics in Applied and Theoretical Microeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Soohyung Lee MW 12:30pm - 1:45pm	Seats (Total: 15) TYD 0111
0201	Emel Filiz Ozbay MW 9:00am - 10:15am	Seats (Total: 15) TYD 0101
0301	John Rust TuTh 11:00am - 12:15pm	Seats (Total: 15) Location: TBA
0401	Wallace Oates MW 11:00am - 12:15pm	Seats (Total: 15) Location: TBA
0501	John Chao MW 8:00am - 9:15am	Seats (Total: 15) Location: TBA

ECON709 **Advanced Topics in Applied and Theoretical Macroeconomics**

ECON709 *(PermReq)* **Advanced Topics in Applied and Theoretical Macroeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Pablo D'Erasmo TuTh 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0201	Charles Hulten TuTh 8:00am - 9:15am	Seats (Total: 15) TYD 1101

0301	Sadik Aruoba MW 10:00am - 11:15am	Seats (Total: 15) Location: TBA
0401	Razvan Vlaicu TuTh 8:00am - 9:15am	Seats (Total: 10) TYD 1102
0501	Anton Korinek MW 10:00am - 11:15am	Seats (Total: 15) TYD 1102

ECON741 **Advanced International Economics I**

ECON741 Advanced International Economics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 601 or permission of department. Exchange rate determination; exchange rate regimes; international monetary reform; policy conflict and cooperation; the LDC debt problem; pricing of international assets; balance of payments crises.

0101	Carlos Vegh W 5:15pm - 7:45pm	Seats (Total: 20) TYD 1132

ECON754 **Topics in Political Economy I**

ECON754 Topics in Political Economy I; (3 credits) Grade Method: REG/AUD.
Prerequisites: ECON602 and ECON604 or permission of department. Study of political determinants of macroeconomic outcomes. Time inconsistency in monetary and fiscal policy, political business cycles. Political models of redistribution, delay in reform, transition, growth, and international policymaking.

0101	Allan Drazen MW 2:00pm - 3:20pm	Seats (Total: 20) TYD 2110

ECON771 **Advanced Labor Economics: Theory and Evidence**

ECON771 Advanced Labor Economics: Theory and Evidence; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 603, and (ECON 621, or ECON 624) or permission of department. Modern analytical and quantitative labor economics. Labor supply decisions of individuals and households; human capital model and distribution of income. Demand for labor; marginal productivity theory, imperfect information and screening. Interaction of labor demand and supply; unemployment; relative and absolute wages; macroeconomic aspects of the labor market.

0101	Judith Hellerstein	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 0101

ECON785 **Advanced Economics of Natural Resources**

ECON785 Advanced Economics of Natural Resources; (3 credits) Grade Method: REG/AUD.
Prerequisites: ECON 603 and ECON 604; and (ECON 621 or ECON 624). The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation.

0101	Erik Lichtenberg	Seats (Total: 28)
	MW 12:30pm - 1:45pm	SYM 0209

ECON799 **Master's Thesis Research**

ECON799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON808 **Workshop on Macroeconomics and Growth; Workshop in Applied Economics**

ECON808 Workshop on Macroeconomics and Growth: Workshop in Applied Economics; (2 credits) Grade Method: S-F/AUD.

0101	Sadik Aruoba	Seats (Total: 20)
	W 3:30pm - 5:30pm	TYD 1108

0201	Sanjay Chugh W 3:30pm - 5:30pm	Seats (Total: 20) TYD 1118

ECON828 **Workshop in Econometrics**

ECON828 Workshop in Econometrics; (2 credits) Grade Method: S-F/AUD.

0101	John Rust W 3:30pm - 5:30pm	Seats (Total: 20) EGR 3114

ECON848 **Workshop in International Development, and Comparative Economics**

ECON848 Workshop in International Development, and Comparative Economics; (2 credits) Grade Method: S-F/AUD.

0101	Raymond Guiteras M 3:30pm - 5:30pm	Seats (Total: 20) TYD 2111
0201	Razvan Vlaicu M 3:30pm - 5:30pm	Seats (Total: 20) KEY 0117

ECON868 **Workshop in Industrial Organization**

ECON868 Workshop in Industrial Organization; (2 credits) Grade Method: S-F/AUD.

0101	Lawrence Ausubel Tu 3:30pm - 5:30pm	Seats (Total: 20) TYD 2106

ECON878 **Workshop in Labor Economics**

ECON878 Workshop in Labor Economics; (2 credits) Grade Method: S-F/AUD.

0101	Melissa Kearney Th 3:30pm - 5:30pm	Seats (Total: 20) TYD 1118
0201	Soohyung Lee Th 3:30pm - 5:30pm	Seats (Total: 20) WDS 1130

ECON888 **Workshop in Comparative Institutional Economics**

ECON888 Workshop in Comparative Institutional Economics; (2 credits) Grade Method: REG/AUD.

0101	John Wallis M 3:30pm - 5:30pm	Seats (Total: 10) TYD 2102	

ECON898 **Pre-Candidacy Research**

ECON898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

ECON899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI Curriculum and Instruction Fall 2009

EDCI280 **Introduction to Teaching**

EDCI280 Introduction to Teaching; (3 credits) Grade Method: REG. Development of conceptual understanding of the teaching-learning process. Seminar to coordinate on-and off-campus experiences. Two hours each week on campus with an arranged three hours each week in a local school off campus. Allow travel time before 9am and after Noon.

0201	Brianne Walsh Tu 1:00pm - 2:45pm Tu 9:00am - 12:00pm	Seats (Total: 30) EDU 2121 Location: TBA	 Lab
0301	Sara Makris Th 2:00pm - 3:45pm Th 9:00am - 12:00pm	Seats (Total: 30) EDU 0114 Location: TBA	 Lab

EDCI286 **Latino and Black Schooling: A History**

EDCI286 Latino and Black Schooling: A History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Victoria MacDonald TuTh 12:30pm - 1:45pm	Seats (Total: 45) TWS 0236	

EDCI288D **Special Topics in Teacher Education; Developmental Heuristics**

EDCI288D Special Topics in Teacher Education: Developmental Heuristics; (3 credits) Grade Method: REG.

0101	Tilahun Beyene Contact instructor or department for details.	Seats (Total: 20)	

EDCI288G **Special Topics in Teacher Education; Exploring High School Teaching**

EDCI288G Special Topics in Teacher Education: Exploring High School Teaching; (2 credits) Grade Method: REG/P-F/AUD.
Participation as volunteer tutor at either a MCPS or PGCPS high school o n Monday, Tuesday, Wednesday, or Thursday is designated by the Lab listing. Transportation is NOT provided. Friday meetings on campus. Tu toring starts after the first Friday meeting on September 11th.

0101	Stacy Pritchett, Peggy Wilson F 10:30am - 12:30pm M 10:30am - 12:30pm	Seats (Total: 12) TWS 1100 Location: TBA	Discussion
0102	Peggy Wilson, Stacy Pritchett F 10:30am - 12:30pm Tu 10:30am - 12:30pm	Seats (Total: 12) TWS 1100 Location: TBA	Discussion
0103	Stacy Pritchett, Peggy Wilson F 10:30am - 12:30pm W 10:30am - 12:30pm	Seats (Total: 12) TWS 1100 Location: TBA	Discussion
0104	Peggy Wilson, Stacy Pritchett F 10:30am - 12:30pm Th 10:30am - 12:30pm	Seats (Total: 12) TWS 1100 Location: TBA	Discussion

EDCI288L **Special Topics in Teacher Education; exploring Teaching as a Career**

EDCI288L Special Topics in Teacher Education: exploring Teaching as a Career; (1 credit) Grade Method: REG.
Tuesday schedule TBA at 1st class, September 1.

0101	Erica Johnson Tu 6:00pm - 8:45pm	Seats (Total: 20) ASY 3215

EDCI288O **Special Topics in Teacher Education; America Counts/America Reads**

EDCI288O Special Topics in Teacher Education: America Counts/America Reads; (1 credit) Grade Method: REG.

0101	Katie Conlon M 5:00pm - 7:00pm	Seats (Total: 30) Location: TBA

EDCI288T **Special Topics in Teacher Education; Internship in Informal Science Education**

EDCI288T *(PermReq)* **Special Topics in Teacher Education: Internship in Informal Science Education; (1 credit)** Grade Method: REG/P-F/AUD.

0101	James McGinnis Contact instructor or department for details.	Seats (Total: 30)

EDCI288X **Special Topics in Teacher Education; An Introduction to Teaching History**

EDCI288X Special Topics in Teacher Education: An Introduction to Teaching History; (1 credit) Grade Method: REG.
Corequisite: HIST156.

0101	Bruce VanSledright Th 12:30pm - 1:45pm	Seats (Total: 25) TLF 2110

EDCI298 **Special Problems in Teacher Education**

EDCI298 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI301 **Teaching Art in the Elementary School**

EDCI301 Teaching Art in the Elementary School; (3 credits) Grade Method: REG/P-F/AUD.
For elementary and pre-elementary education majors only. Not open to art education majors. Art methods and materials for elementary schools. Includes laboratory experiences with materials appropriate for elementary schools. Emphasis on emerging areas of art education for the elementary classroom teacher.

0101	Lillian Pailen W 9:00am - 11:50am	Seats (Total: 20) EDU 1315
0201	Leslie Gates W 1:00pm - 4:00pm	Seats (Total: 20) EDU 1315

EDCI305A **Curriculum and Instruction in Elementary Education Cluster**

EDCI305A *(PermReq)* **Curriculum and Instruction in Elementary Education Cluster; (No credit)** Grade Method: NGI.
Restricted to students registering for the elementary education blocks.

0101	Masoud Hamedi Contact instructor or department for details.	Seats (Total: 25)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 25)

EDCI305B **Curriculum and Instruction in Elementary Education Cluster**

EDCI305B *(PermReq)* **Curriculum and Instruction in Elementary Education Cluster; (No credit)** Grade Method: NGI.
Restricted to students registering for the elementary education blocks.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 25)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 25)

EDCI322A **Curriculum and Instruction in Elementary Education: Social Studies**

EDCI322A *(PermReq)* **Curriculum and Instruction in Elementary Education: Social Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI342; EDCI352; EDCI362; and EDCI372. For elementary education majors only.

0101	Lisa Eaker M 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 342A, 352A, 362A, 372A, EDCI488B-0101.*	Seats (Total: 25) EDU 2212
0201	Jeffrey Shaw W 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 342A, 352A, 362A, 372A, 488B-0201.*	Seats (Total: 25) EDU 2121

EDCI322B **Curriculum and Instruction in Elementary Education: Social Studies**

EDCI322B *(PermReq)* **Curriculum and Instruction in Elementary Education: Social Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI342; EDCI352; EDCI362; and EDCI372. For elementary education majors only. Teamed with EDCI 342B, 352B, 362B, 372B section 0101, 488B section 0301. For registration purposes, please refer to EDCI 305B.

0101	Lisa Eaker M 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 342B, 352B, 362B, 372B-0101, 488B-0301.*	Seats (Total: 25) EDU 2121
0201	Kimberly Reddy Th 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI342B, 352B, 362B, 372B-0201, EDCI488B-0401.*	Seats (Total: 25) EDU 2212

EDCI342A **Curriculum and Instruction in Elementary Education: Language Arts**

EDCI342A *(PermReq)* **Curriculum and Instruction in Elementary Education: Language Arts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI352; EDCI362; and EDCI372. For elementary education majors only. For registration purposes, please refer to EDCI 305A section 0101.

0101	John O'Flahavan M 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 352A, 362A, 372A-0101, 488B-0101.*	Seats (Total: 30) EDU 2119
0201	Summer Clark W 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322A, 352A, 362A, 372A-0201, 488B-0201.*	Seats (Total: 25) EDU 3315

EDCI342B **Curriculum and Instruction in Elementary Education: Language Arts**

EDCI342B *(PermReq)* **Curriculum and Instruction in Elementary Education: Language Arts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI352; EDCI362; and EDCI372. For elementary education majors only. Teamed with EDCI 322B, 352B, 362B, 372B, and 488B-section 0301. For regi stration purposes, please refer to EDCI305B.

0101	Melissa Landa Tu 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322B, 352B, 362B, 372B-0101, 488B-0301.*	Seats (Total: 25) EDU 2119
0201	Melissa Landa Th 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 352B, 362B, 372B-0201, 488B-0401.*	Seats (Total: 25) EDU 2119

EDCI352A **Curriculum and Instruction in Elementary Education: Mathematics**

EDCI352A *(PermReq)* **Curriculum and Instruction in Elementary Education: Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; permission of department. Corequisites: EDCI322; EDCI342; EDCI362; and EDCI372. For elementary education majors only.

0101	Lisa Bote Tu 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A, and 488B-0101.*	Seats (Total: 25) EDU 2121
0201	Lisa Bote Th 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A-0201, 488B-0201.*	Seats (Total: 25) EDU 2121

EDCI352B **Curriculum and Instruction in Elementary Education: Mathematics**

EDCI352B *(PermReq)* **Curriculum and Instruction in Elementary Education: Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; permission of department. Corequisites: EDCI322; EDCI342; EDCI362; and EDCI372. For elementary education majors only. For registration purposes, please refer to EDCI 305B- section 0101.

0101	Beatriz Quintos M 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 362B, 372B-0101, EDCI 488B-0301.*	Seats (Total: 25) EDU 2121
0201	Lisa Bote Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A-0201, 488B-0401.*	Seats (Total: 25) EDU 2121

EDCI355 **Field Experience in Secondary Mathematics Education**

EDCI355 *(PermReq)* **Field Experience in Secondary Mathematics Education; (1 credit)** Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; and six semester hours of 400-level mathematics courses. For education majors only. Practical experience as an aide to a regular secondary mathematics teacher; assigned responsibilities and participation in a variety of teaching/learning activities.

0101	Julius Davis	Seats (Total: 20)
	Contact instructor or department for details.	

EDCI362A **Curriculum and Instruction in Elementary Education: Reading**

EDCI362A *(PermReq)* **Curriculum and Instruction in Elementary Education: Reading; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; and EDCI342; and EDCI352; and EDCI372. For elementary education majors only. Teamed with EDCI 322A, 342A, 352A, 372A, and 488B section 0201.

0101	Rose Codling	Seats (Total: 25)
	M 1:00pm - 2:50pm	EDU 2212
	Contact instructor or department for details.	
	Teamed with EDCI 322A, 342A, 352A, 372A, 488B-0101.	
0201	Olivia Saracho	Seats (Total: 25)
	W 10:30am - 12:20pm	EDU 2119
	Contact instructor or department for details.	
	Teamed with EDCI 322A, 342A, 352A, 372A, 488B-0201.	

EDCI362B **Curriculum and Instruction in Elementary Education: Reading**

EDCI362B *(PermReq)* **Curriculum and Instruction in Elementary Education: Reading; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; and EDCI342; and EDCI352; and EDCI372. For elementary education majors only. Teamed with EDCI 322B, 342B, 352B, 372B section 0301 and EDCI488B section 0501.

0101	Peter Afflerbach Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 372B-0201, 488B-0301.*	Seats (Total: 25) EDU 2101
0201	Olivia Saracho Th 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 372B-0201, 488B-0401.*	Seats (Total: 25) EDU 2119

EDCI372A **Curriculum and Instruction in Elementary Education: Science**

EDCI372A *(PermReq)* **Curriculum and Instruction in Elementary Education: Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI342; EDCI352; EDCI362. For elementary education majors only.

0101	James McGinnis Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 362B-0301, 488B-0501.*	Seats (Total: 25) EDU 2212
0201	James McGinnis Th 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 352A, 362A, 488B-0201.*	Seats (Total: 25) EDU 2212

EDCI372B **Curriculum and Instruction in Elementary Education: Science**

EDCI372B *(PermReq)* **Curriculum and Instruction in Elementary Education: Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI397; and permission of department. Corequisites: EDCI322; EDCI342; EDCI352; EDCI362. For elementary education majors only. Teamed with EDCI 322B, 342B, 352B, 362B section 0101 and 488B-section 0301. For registration purposes, please refer to EDCI 305B.

0101	William Holliday M 10:30am - 12:20pm Contact instructor or department for details.	Seats (Total: 25) EDU 2212
0201	William Holliday Tu 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI322B, 342B, 352B, 362B-0201, 488B-0401.*	Seats (Total: 25) EDU 2212

EDCI375 **Field Experience in Science Education**

EDCI375 Field Experience in Science Education; (1 credit) Grade Method: S-F. *Corequisite: EDCI470. For science education majors only.* This field experience course is designed to provide prospective teachers with knowledge of theory and best school practice relevant to effective pedagogy, current educational goals, and trends in educational assessment in a public school environment. Topics includes planning, instructional delivery, diversity and individual differences, classroom management, technology, and inclusion of students with special needs.

0101	Stacy Pritchett Contact instructor or department for details.	Seats (Total: 15)

EDCI385 **Computers for Teachers**

EDCI385 Computers for Teachers; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: admission to teacher education program; and 2.5 GPA. For education majors only.* A first-level survey of instructional uses of computers, software, and related technology for preservice teachers.

0101	Sang Kim TuTh 12:30pm - 1:45pm	Seats (Total: 20) CSS 1410
0201	Julian Chen TuTh 2:00pm - 3:15pm	Seats (Total: 20) CSS 1410
0301	Peter Schaefer M 4:15pm - 7:00pm	Seats (Total: 20) CSS 1410

EDCI400 **Field Experience in Art Education**

EDCI400 *(PermReq)* **Field Experience in Art Education; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisites: permission of department. For Art Education majors. Practical classroom experience in teaching/evaluating/exhibiting the products of art lessons. Six hours for field experience required. Times to be arranged with the instructor. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA .

0101	Susan Hendricks	Seats (Total: 10)
	Contact instructor or department for details.	

EDCI403 **Teaching Art Criticism and Aesthetics**

EDCI403 Teaching Art Criticism and Aesthetics; (3 credits) Grade Method: REG/P-F/AUD.
For art education majors only. Prerequisite: admission to teacher education program; 2.5 GPA; ARTH200 and ARTH201. Introduction to the teaching of art criticism and aesthetics in K-12 art education programs. Trips to galleries and museums.

0101	Margaret Walker	Seats (Total: 25)
	Th 9:00am - 12:00pm	EDU 1315

EDCI406 **Technology and Two-Dimensional Art**

EDCI406 *(PermReq)* **Technology and Two-Dimensional Art; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education program; 2.5 GPA; ARTT210; and permission of department. Junior standing. A discussion/studio format used to develop skills, materials, resources and education strategies for using technology and two-dimensional art in K-12 programs.

0101	Margaret Walker	Seats (Total: 19)
	TuTh 1:00pm - 3:15pm Th 3:30pm - 5:00pm	EDU 1315 Location: TBA Lab
	Lab portion meets for seven Thursdays from 3:30-5pm at Berwyn Heights Elementary School.	

EDCI410 **Methods I: K-12 Foreign Language Methods and Technology**

EDCI410 Methods I: K-12 Foreign Language Methods and Technology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 2.5 G.P.A.; and permission of department. Not open to students who have completed EDCI330. Credit will be granted for only one of the following: EDCI330 or EDCI410. Formerly EDCI330. The first of two sequential courses required for achieving competence in teaching a foreign language. The sequel to this course is EDCI433 (Methods II) entitled: Advanced K-12 Foreign Language Methods and Technology. EDCI410 requires on-going examination of theories relevant to language acquisition. Students will also investigate the instructional methods that reflect those theories.

0101	Perla Blejer	Seats (Total: 15)
	MW 3:00pm - 4:20pm	EDU 2212

EDCI411 **Knowledge, Reasoning, and Learning in Science**

EDCI411 *(PermReq)* **Knowledge, Reasoning, and Learning in Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: 2.5 GPA; and permission of department. Junior standing. Credit will be granted for only one of the following: EDCI370 or EDCI411. Formerly EDCI370. For prospective science teachers. Investigations of the nature of knowledge, reasoning, and learning in middle and secondary science. Readings from cognitive science and science education research; studies of student thinking in interview and classroom observations; analyses of curricula. Includes laboratory and field experiences.

0101	Anita Sanyal	Seats (Total: 25)
	TuTh 3:00pm - 4:15pm	EDU 2212

EDCI416 **Curriculum and Instruction in Secondary Education: English Speech Theatre**

EDCI416 *(PermReq)* **Curriculum and Instruction in Secondary Education: English Speech Theatre; (3 credits)** Grade Method: REG.
Prerequisites: admission to teacher education program; 2.5 GPA; and permission of department. Credit will be granted for only one of the following: EDCI340 or EDCI416. Formerly EDCI340. An introduction for prospective middle and secondary English teachers into the basic issues, concepts, orientations, and processes that shape the teaching of English for diverse students in schools. Candidates explore their own perspectives in relation to local and national trends and develop basic teaching understanding and skills through on-campus seminars, teaching laboratory experiences, and guided field experiences. Reserve one half day for entire semester for field experience.

0101	Peggy Wilson M 8:30am - 10:15am W 8:30am - 10:15am	Seats (Total: 15) EDU 2119 EDU 0114	 Lab
0102	Peggy Wilson M 8:30am - 10:15am W 8:30am - 10:15am	Seats (Total: 10) EDU 2119 EDU 0202	 Lab
0103	Peggy Wilson M 8:30am - 10:15am M 2:30pm - 4:15pm	Seats (Total: 15) EDU 2119 PLS 1158	 Lab

EDCI423 **Art Education Methods II**

EDCI423 Art Education Methods II; (3 credits) Grade Method: REG.
Prerequisite: admission to teacher education program; 2.5 G.P.A.; and EDCI405 or equivalent. Corequisite: EDCI400. For art education majors only. Methods II builds upon the pedagogical foundation of Methods I and provides future art teachers with the means for developing pre K-12 art lessons and unit plans for a balanced qualitative art program for today's diverse and inclusive schools and classrooms.

0101	Susan Hendricks Tu 9:00am - 12:00pm	Seats (Total: 25) EDU 1315

EDCI426 **Materials and Resources in Social Studies**

EDCI426 *(PermReq)* **Materials and Resources in Social Studies; (3 credits)** Grade Method: REG.
Prerequisite: permission of department and 2.5 GPA. The course will emphasize the identification, appropriate selection, implementation and assessment of materials and resources that promote social studies instruction that is theory based for multiple settings.

0101	Lisa Eaker W 1:00pm - 3:50pm	Seats (Total: 23) COL 3110
0201	Kristen Harris Th 4:15pm - 7:00pm	Seats (Total: 23) ASY 3219

EDCI427 **Curriculum and Instruction in Secondary Education: Social Studies and History**

EDCI427 *(PermReq)* **Curriculum and Instruction in Secondary Education: Social Studies and History; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDHD413 and EDHD420. Corequisite: EDCI428. For education majors only. Credit will be granted for only one of the following: EDCI320 or EDCI427. Formerly EDCI320. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks and other instructional materials, measurement and topics pertinent to social studies education. Includes emphasis on multi-cultural education. Also offered as EDCI350. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA .

0101	Chauncey Monte-Sano Tu 12:30pm - 3:20pm	Seats (Total: 35) PLS 1119

EDCI428 **Field Experience in Secondary Social Studies Teaching**

EDCI428 *(PermReq)* **Field Experience in Secondary Social Studies Teaching; (1 credit)** Grade Method: S-F.
Co-requisite: EDCI 427. Students must reserve one full day per week for observation.

0101	Lisa Katz Contact instructor or department for details.	Seats (Total: 35)

EDCI432 **Issues in the Education of English Language Learners**

EDCI432 Issues in the Education of English Language Learners; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDCI432 or EDCI488Q. Formerly EDCI488Q. Analysis of current research, practice, trends, and public policy issues in education as they relate to English language learners in K-12 settings.

0101	Colleen Gallagher, Shannon Daniel	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EDU 1121

EDCI433 **Advanced K-12 Foreign Language Methods and Technology**

EDCI433 *(PermReq)* **Advanced K-12 Foreign Language Methods and Technology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: EDCI330, EDHD413, EDHD420 and permission of department. Corequisite: EDCI438. For EDCI majors only. Teaches advanced best practices for effective foreign language instruction. Topics include: using authentic assessment and materials, applying national standards, teaching writing and culture, motivating students, providing strategy instruction, infusing technology, preparing for K-12 employment, and creating a professional portfolio. Field experience (in co-requisite EDCI438) focuses on middle and high school. EDCI 438 must be taken concurrently with EDCI 433. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA .

0101	Perla Blejer	Seats (Total: 10)
	M 5:00pm - 7:45pm	Location: TBA

EDCI435 **Teaching English Language Learners Reading and Writing in the Secondary Content Areas**

EDCI435 Teaching English Language Learners Reading and Writing in the Secondary Content Areas; (3 credits) Grade Method: REG/P-F/AUD.
Analysis of approaches to curriculum, current research, theory, and pedagogy of reading and writing to second language students from diverse cultural and linguistic backgrounds. State Approved. Required for TESOL certification program.

0101	Anthony Adawu	Seats (Total: 20)
	TuTh 1:00pm - 2:15pm	COL 3114

EDCI436 **Understanding Cross-Cultural Communication for Teaching English Language Learners**

EDCI436 Understanding Cross-Cultural Communication for Teaching English Language Learners; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDCI436 or EDCI488T. Formerly EDCI488T. Understanding cultural issues in English Language Learner classes; techniques and resources for addressing such issues.

0101	Rashi Jain TuTh 11:00am - 12:15pm	Seats (Total: 25) COL 3111

EDCI438 **Field Experience in Second Language Education; Field Experience in Second Language Education**

EDCI438 *(PermReq)* **Field Experience in Second Language Education: Field Experience in Second Language Education; (1 credit)** Grade Method: S-F.
EDCI 433 must be taken concurrently with EDCI 438.

0101	Perla Blejer Contact instructor or department for details.	Seats (Total: 10)

EDCI443 **Literature for Children and Youth**

EDCI443 Literature for Children and Youth; (3 credits) Grade Method: REG/P-F/AUD.
For elementary education and pre-elementary education majors only. Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

0101	Melissa Landa MW 11:00am - 12:30pm	Seats (Total: 26) EDU 2121
0201	Jiahang Li M 9:00am - 10:30am W 9:00am - 10:30am	Seats (Total: 26) EDU 0114 EDU 2119
0301	Angela Lawrence TuTh 11:00am - 12:30pm	Seats (Total: 26) EDU 3236

EDCI447 **Field Experience in English, Speech, Theatre Teaching**

EDCI447 Field Experience in English, Speech, Theatre Teaching; (1 credit) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA. Corequisite: EDCI417. For education majors only. Practical experience as an aide to a regular English, speech or drama teacher; assigned responsibilities and participation in a variety of teaching/learning activities. Secondary English/speech/drama education majors only. Students must reserve one full day per week for observation.

0101	Joseph McCaleb	Seats (Total: 25)
	Contact instructor or department for details.	

EDCI455 **Methods of Teaching Mathematics in Secondary Schools**

EDCI455 Methods of Teaching Mathematics in Secondary Schools; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 2 semesters of calculus. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks and other instructional materials, measurement, and topics pertinent to mathematics education. Also offered as EDCI350. In addition to registering for this course, all students must apply for the year-long internship. Go to www.education.umd.edu/PBA .

0101	Julius Davis	Seats (Total: 25)
	Tu 5:00pm - 7:45pm	EDU 2121

EDCI457 **Teaching and Learning Middle School Mathematics**

EDCI457 Teaching and Learning Middle School Mathematics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program or permission of department; 2.5 GPA; and permission of department for post-baccalaureate students. Methods of teaching and assessing the middle school mathematics curriculum. Understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Lesson planning and selection of technology and other materials are applied in the context of supervised tutoring of students having difficulty in middle school mathematics.

0101	Richard Hollenbeck, Paula Maccini	Seats (Total: 25)
	TuTh 3:00pm - 5:00pm	EDU 2121

EDCI461 **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

EDCI461 *(PermReq)* **Materials and Instruction for Creating Skilled and Motivated Readers, Part I; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. For Elementary Education majors only. Junior standing. Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.

0301	Rose Codling Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 28) EDU 2119 EDU 2121
IHP1	Jennifer Turner M 9:00am - 12:00pm *MCERT ELEM Outreach Offering.Shady Grove Campus.Departmental permission required.*	Seats (Total: 20) Location: TBA
IHP2	Jennifer Turner Tu 1:00pm - 4:00pm *MCERT ELEM Outreach Offering. Departmental Permission Required.*	Seats (Total: 20) Location: TBA

EDCI463 **Reading in the Secondary School**

EDCI463 *(PermReq)* **Reading in the Secondary School; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; and 2.5 GPA; or permission of department required for post-baccalaureate students. For education majors only. Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts. Also offered as EDCI 661.

0101	Byeong-Young Cho MW 3:00pm - 4:15pm	Seats (Total: 30) EDU 2119
0201	Ayanna Baccus MW 3:00pm - 4:15pm	Seats (Total: 28) EDU 2121

EDCI466 **Literature for Adolescents**

EDCI466 Literature for Adolescents; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: admission to teacher education program; 2.5 GPA. permission of department required for post-baccalaureate students. For education majors only.* Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.

0101	Michelle Alcoser	Seats (Total: 30)
	Th 10:00am - 12:40pm	CCC 1111

EDCI467 **Teaching Writing**

EDCI467 Teaching Writing; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department.* Sources and procedures for developing curriculum objectives and materials for teaching written composition; prewriting, composing, and revision procedures; contemporary directions in rhetorical theory; survey of research on composition instruction.

0101	Franklin Horstman	Seats (Total: 30)
	Th 5:00pm - 7:45pm	EDU 2121

EDCI470 **Learning and Teaching in Science**

EDCI470 Learning and Teaching in Science; (3 credits) Grade Method: REG. *Prerequisites: Admission to the Science Education Program and EDCI411 or permission of instructor.* Studies of student learning and instructional practices in science teaching.

0101	Stacy Pritchett	Seats (Total: 20)
	W 5:00pm - 7:45pm	EDU 2212B

EDCI481 **Student Teaching: Elementary**

EDCI481 Student Teaching: Elementary; (12 credits) Grade Method: S-F. *Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDCI322; and EDCI342; EDCI352; EDCI362; and EDCI372. Corequisite: EDCI464.* Limited to elementary majors who have previously applied. There is a $400 fee assigned to this course.This course is a 16-week experience.

0201	Susan Denvir, Leslie Gettier Contact instructor or department for details.	Seats (Total: 5)

EDCI488B **Selected Topics in Teacher Education; Classroom Management**

EDCI488B Selected Topics in Teacher Education: Classroom Management; (1 credit) Grade Method: REG.

0101	Susan Denvir Tu 1:15pm - 4:00pm	Seats (Total: 26) EDU 0206
0201	Robin Bonica Th 8:00am - 10:20am	Seats (Total: 25) EDU 2119
0301	Tracy Dunheimer Tu 8:00am - 10:20am	Seats (Total: 28) EDU 2119
0401	Eugene Haines Tu 1:15pm - 4:00pm	Seats (Total: 26) BPS 1232

EDCI488I **Selected Topics in Teacher Education; Chillum Internship Program**

EDCI488I Selected Topics in Teacher Education: Chillum Internship Program; (3 credits) Grade Method: REG/P-F.

0201	Dawn Sherman M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 25) EDU 0206

EDCI488L **Selected Topics in Teacher Education; Embracing Diversity in Classroom Communities**

EDCI488L Selected Topics in Teacher Education: Embracing Diversity in Classroom Communities; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Sara Makris MW 12:30pm - 1:45pm	Seats (Total: 20) EDU 2119
0201	Erica Johnson M 2:30pm - 3:45pm W 2:30pm - 3:45pm	Seats (Total: 25) EDU 2212A EDU 2234

EDCI489 **Field Experiences in Education**

EDCI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI498 **Special Problems in Teacher Education**

EDCI498 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI588M **Special Topics in Curriculum & Instruction; Developing Mathematics Expertise in Elementary and Middle School**

Contact department for information to register for this course.

EDCI603 **Integrated Art Methods**

EDCI603 Integrated Art Methods; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDCI680 or EDCI405. For EDCI majors only. Credit will be granted for only one of the following: EDCI423, EDCI603, or EDCI688D. Formerly EDCI688D.* Builds upon the pedagogical foundation of an initial art education methods course and provides future art teachers with the means for developing PreK-12 art lesson/unit plans for a balanced qualitative art program for today's diverse and inclusive schools/classrooms. Integratin g art with other subject areas.

IHP1	Susan Hendricks	Seats (Total: 20)
	TuTh 9:00am - 12:00pm	Location: TBA
	MCERT SECONDARY Outreach Offering. Departmental permission required.	

EDCI607 **Learning and Teaching in the Biological Sciences II**

Contact department for information to register for this course.

EDCI611 **Studying Student Learning in Diverse Settings**

EDCI611 *(PermReq)* **Studying Student Learning in Diverse Settings; (3 credits)** Grade Method: REG/AUD.

This course deepens teacher understanding of student development and the cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.

IHP1	Kara Trenkamp	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT ELEM Outreach Offering. Shady Grove campus.Departmental permissio required.	
IHP2	Summer Clark	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT ELEM Outreach Offering. Departmental Permission required.	
IHP4	Simone Gibson	Seats (Total: 20)
	Th 5:30pm - 8:30pm	Location: TBA
	MCERT SECONDARY Outreach Offering. Departmental permission required.	

EDCI618 **Proseminar for Teaching Internship**

EDCI618 Proseminar for Teaching Internship; (1-3 credits) Grade Method: REG/AUD.

IHP1	Dianne Bradley	Seats (Total: 13)
	Contact instructor or department for details.	
	Outreach offering for CITE Program. Dept permission required, contact aberman2@umd.edu.	

EDCI627 **Secondary Social Studies Pedagogy**

EDCI627 Secondary Social Studies Pedagogy; (3 credits) Grade Method: REG/AUD.

Prerequisite: EDCI426 or EDCI680. Credit will be granted for only one of the following: EDCI627 or EDCI788Y. Formerly EDCI788Y. The second course in a three-course teaching methods sequence. Addresses two key questions: (1) How do secondary school students think about and learn history/social studies? (2) How can secondary teachers teach history/social studies in ways that promote student learning?

IHP1	Chauncey Monte-Sano Tu 5:30pm - 8:30pm	Seats (Total: 20) Location: TBA

EDCI630 **Foundations of Second Language Education: Legal, Social and Historical Trends and Issues**

EDCI630 Foundations of Second Language Education: Legal, Social and Historical Trends and Issues; (3 credits) Grade Method: REG/AUD.
Knowledge of history, research, current practice and public policy issues in the field of second languague education from kindergarten to post-secondary settings. Required for TESOL certification program.

0101	Pamela Hickey, Colleen Gallagher Th 4:15pm - 7:00pm	Seats (Total: 20) ASY 3221
0201	Shannon Daniel, Colleen Gallagher TuTh 9:30am - 10:45am *Permission of department required.*	Seats (Total: 5) EDU 1121

EDCI631 **Student Assessment in the Second Language Classroom**

EDCI631 Student Assessment in the Second Language Classroom; (3 credits) Grade Method: REG/AUD.
Analysis of standardized and teacher-made FL/ESL tests; emphasis on principles of FL/ESL test construction. Field testing of commercial and teacher-made materials.

0101	Colleen Gallagher M 5:00pm - 7:45pm	Seats (Total: 20) EDU 0202

EDCI634 **Methods of Teaching ESOL**

EDCI634 Methods of Teaching ESOL; (3 credits) Grade Method: REG/AUD.
This course presents a survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar to translation to audiolingual and communicative approaches. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed.

0101	Roberta Lavine W 5:00pm - 7:45pm	Seats (Total: 20) PLS 1129

EDCI635 **English Grammar for Teachers of English to Speakers of Other Languages**

EDCI635 English Grammar for Teachers of English to Speakers of Other Languages; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. English grammar and methods of teaching grammar for graduate, prospective and current teachers of English to speakers of other languages. Analysis of the major grammatical structures of American English. Discussion of the role of teaching grammar, and effective classroom methods and techniques for the English as a second/foreign language classroom.

0101	Denis Sullivan Tu 5:00pm - 7:45pm	Seats (Total: 25) SYM 0209

EDCI636 **Teaching ESOL Reading and Writing in the Elementary Classroom Areas**

EDCI636 *(PermReq)* **Teaching ESOL Reading and Writing in the Elementary Classroom Areas; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI 634. Analysis of elementary school classroom culture, social contexts, and instructional strategies which foster language development in elementary school content areas.

0101	Megan Peercy Tu 5:00pm - 7:45pm	Seats (Total: 19) Location: TBA
IHP1	Megan Peercy Tu 5:00pm - 7:45pm *MCERT SECONDARY Outreach Offering. Departmental permission required.*	Seats (Total: 20) Location: TBA

EDCI637 **Advanced Laboratory Practice in Foreign Language/TESOL Education**

EDCI637 Advanced Laboratory Practice in Foreign Language/TESOL Education; (2-6 credits) Grade Method: REG/AUD.
Prerequisites: EDCI 434; and EDCI 634; or permission of department. Supervised internship in TESOL setting. There is a $400 fee assigned to this course.

0101	Colleen Gallagher Contact instructor or department for details.	Seats (Total: 15)

EDCI638 **Teaching ESOL Reading and Writing in Secondary Content Areas**

EDCI638 Teaching ESOL Reading and Writing in Secondary Content Areas; (3 credits) Grade Method: REG/AUD.

IHP1	Kia McDaniel	Seats (Total: 20)
	Meets September 1, 2009 - December 19, 2009	
	Tu 5:00pm - 7:45pm	Location: TBA
	Outreach Offerings, Literacy Coach Program, BCPS cohort. Departmental permission request,contact aberman2@umd.edu.	

EDCI640 **Trends in Secondary School Curriculum: English**

EDCI640 Trends in Secondary School Curriculum: English; (3 credits) Grade Method: REG/AUD.

Recent developments in educational thinking and practice on the curriculum in English education.

IHP1	Kathleen Travers	Seats (Total: 20)
	M 5:30pm - 8:30pm	Location: TBA
	MCERT SECONDARY Outreach Offering. Departmental permission required.	

EDCI651 **Teaching and Learning Mathematics in Secondary Schools**

EDCI651 Teaching and Learning Mathematics in Secondary Schools; (3 credits) Grade Method: REG/AUD.

Prerequisite: Enrollment in a University of Maryland program leading to teacher certification; bachelor's degree in mathematics or related field; and 2 semesters of calculus. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks, technology and other instructional materials; assessment of student learning and other topics pertinent to secondary mathematics education. Internship of other placement in a secondary mathematics classroom is required.

IHP1	Andrew Brantlinger	Seats (Total: 20)
	Tu 5:30pm - 8:30pm	Location: TBA
	MCERT SECONDARY Outreach Offering. Departmental permission required.	

EDCI652 **Teaching and Learning Mathematics in the Elementary School**

EDCI652 Teaching and Learning Mathematics in the Elementary School; (3 credits) Grade Method: REG.
Prerequisite: MATH212; MATH213, MATH214 or equivalent. Strategies and methodologies for the teaching of elementary school mathematics based on current research and theories about how children learn mathematics. Attention is given to professional recommendations and teaching practices that foster communication, reasoning, and reflection in the mathematics classroom. Internship or other placement in an elementary school is required.

IHP1	Ann Edwards	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT ELEM Outreach Offering. Shady Grove Campus.Departmental Permissio Required.	
IHP2	Jill Depiper	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT ELEM Outreach Offering. Shady Grove Campus.Departmental Permisso Required.	

EDCI657 **Understanding and Engaging Students' Conceptions of Mathematics**
Contact department for information to register for this course.

EDCI660 **Foundations of Reading**

EDCI660 *(PermReq)* **Foundations of Reading; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI362 or EDCI463 or equivalent. Broad and comprehensive overview of reading and literacy and factors that may influence effective reading practices such as instruction, classroom environment and individual differences. Focus on different knowledge domains and traditions of inquiry related to reading and reading instruction.

0101	Peter Afflerbach	Seats (Total: 15)
	M 4:15pm - 7:00pm	EDU 2212B

EDCI662 **Diagnostic Reading Assessment and Instruction**

EDCI662 Diagnostic Reading Assessment and Instruction; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Survey course in diagnostic reading assessment and instruction for graduate students not majoring in reading.

IHP1	LeAnn Johnson **Meets August 25, 2009 - December 15, 2009** Tu 4:00pm - 7:00pm	Seats (Total: 13) Location: TBA
	Outreach CITE offerings. Dept permission required. Contact aberman2@umd	

EDCI663 **Understanding, Evaluating and Using Research in School Reading Programs**

EDCI663 Understanding, Evaluation and Using Research in School Reading Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI660. Focus on understanding, critiquing, and applying reading/literacy research; reviewing research to improve practice; analyzing data at the district, school, classroom, and student levels to improve reading instruction.

0101	Rose Codling Th 4:15pm - 7:00pm	Seats (Total: 15) EDU 2234

EDCI664 **Clinical Assessment in Reading**

EDCI664 Clinical Assessment in Reading; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI661 and EDCI663; or permission of department. Clinical diagnostic techniques and materials for assessing reading strengths and needs.

0101	Ayanna Baccus Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 2234

EDCI670 **Trends in School Curriculum: Science**

EDCI670 *(PermReq)* **Trends in School Curriculum: Science; (3 credits)** Grade Method: REG.
Recent developments in educational thinking and practice on the curriculum in science education.

0101	David Hammer M 4:15pm - 7:00pm	Seats (Total: 10) TWS 0207

EDCI671 **Teaching Science in Elementary Schools**

EDCI671 Teaching Science in Elementary Schools; (3 credits) Grade Method: REG/AUD.
Identification of problems in teaching science. Methods for improving the effectiveness of science education.

IHP1	Janet Coffey	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT ELEM Outreach Offering.Shady Grove Campus. Departmental permissio required.	
IHP2	Janet Coffey	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT ELEM Outreach Offering.Shady Grove Campus.Departmental permissio required.	

EDCI673 **Assessing, Diagnosing, and Teaching Writing**

EDCI673 Assessing, Diagnosing, and Teaching Writing; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 467 or equivalent; or permission of instructor. Application of theory and research on composition instruction to review assessment and diagnostic procedures useful to writing teachers. Development of curricular materials for implementing appropriate individual, small group, and large-group instruction.

IHP1	Wayne Slater	Seats (Total: 20)
	Meets August 31, 2009 - December 19, 2009	
	Tu 5:00pm - 7:45pm	Location: TBA
	Outreach offerings, Literacy Coach Program, MCPS Cohort2. Departmenal permission request,contact aberman2@umd.edu.	
IHP2	Wayne Slater	Seats (Total: 20)
	Meets August 31, 2009 - December 19, 2009	
	M 5:00pm - 7:45pm	Location: TBA
	Outreach offerings, Literacy Coach Program, BCPS cohort. Departmental permission request,contact aberman2@umd.edu.	

EDCI675 **Learning to Teach and Learn Science**

EDCI675 Learning to Teach and Learn Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admission to Maryland Master's Certification Program (MMCP), EDCI680, or permission of instructor. Credit will be granted for only one of the following: EDCI675 or EDCI788V. Formerly EDCI788V. Developing practices of instruction in science teaching in the context of understanding student science learning.

IHP1	Anita Sanyal	Seats (Total: 20)
	M 5:30pm - 8:30pm	Location: TBA
	MCERT SECONDARY Outreach Offering, Science. Departmental permission required.	

EDCI688A **Special Topics in Curriculum and Instruction; Advanced K-12 Foreign Language Methods and Technology**

EDCI688A Special Topics in Curriculum and Instruction: Advanced K-12 Foreign Language Methods and Technology; (1-3 credits) Grade Method: REG/AUD.

IHP1	Perla Blejer	Seats (Total: 20)
	M 5:30pm - 8:30pm	Location: TBA
	MCERT SECONDARY Outreach Offering. Departmental permission required.	

EDCI688N **Special Topics in Curriculum and Instruction; Pedogogical Experts in Educational Technologies for Teaching Science**

EDCI688N Special Topics in Curriculum and Instruction: Pedogogical Experts in Educational Technologies for Teaching Science; (3 credits) Grade Method: REG/AUD.

IHP1	Mike Stieff	Seats (Total: 20)
	Meets September 28, 2009 - December 21, 2009	
	Contact instructor or department for details.	
	Outreach Offering. PGCPS Teacher Professional Development in Chemistry.	

EDCI689 **Teaching Internship**

EDCI689 Teaching Internship; (1-9 credits) Grade Method: REG/AUD.

CE01	Karen Rehder	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT ELEM Outreach Offering. Departmental permission required.	
CE02	Tracy Dunheimer	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT ELEM Outreach Offering. MCPS. Departmental permission required.	
CE03	Susan Hendricks	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT SECONDARY Outreach Offering. Departmental permission required.	
CE04	Peggy Wilson	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT SECONDARY Outreach Offering. Departmental permission required.	
CE05	Perla Blejer	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT SECONDARY Outreach Offering. Departmental permission required.	
CE06	Susan DePlatchett	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT SECONDARY Outreach Offering. Departmental permission required.	
CE07	Stacy Pritchett	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT SECONDARY Outreach Offering. Departmental permission required.	
CE08	Lisa Katz	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT SECONDARY Outreach Offering. Departmental permission required.	
CE09	Howard Stein, Colleen Gallagher	Seats (Total: 20)
	Contact instructor or department for details.	
	MCERT SECONDARY Outreach Offering. Departmental permission required.	

EDCI690 Teaching as a Profession

EDCI690 Teaching as a Profession; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. The profession of teaching and the knowledge base that defines teaching. Current and social issues that affect teaching and learning; role of research and experience in learning to teach.

0101	David Imig	Seats (Total: 15)
	Th 4:15pm - 7:00pm	EDU 0206

EDCI696 **Conducting Research on Teaching**

EDCI696 Conducting Research on Teaching; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Application of the knowledge base on effective teaching to the analysis and improvement of educational practice. Research methods used in the study of classroom teaching. Design and conduct of an action research project.

IHP1	Richard Hollenbeck	Seats (Total: 23)
	Meets September 2, 2009 - December 16, 2009	
	Tu 5:00pm - 8:00pm	Location: TBA
	Outreach Offering for EDCI MCPS Math Program. Department permission required. Contact aberman2@umd.edu.	

EDCI697 **Embracing Diversity in Classroom Communities**

EDCI697 Embracing Diversity in Classroom Communities; (3 credits) Grade Method: REG/AUD.
03 semester hours. The course aims to help students understand race, class, gender, and sexuality as systems of privilege, exclusion, marginalization, and the centrality of embracing diversity in the classroom communities to promote the success of all students.

0101	Saroja Barnes	Seats (Total: 25)
	Tu 5:00pm - 7:45pm	TWS 0207

EDCI698 **Conducting Research on Teaching**

EDCI698 *(PermReq)* **Conducting Research on Teaching; (1-3 credits)** Grade Method: REG.

0101	Joseph McCaleb Tu 4:30pm - 7:15pm	Seats (Total: 25) EDU 2119
IHP1	Ann Schweighofer **Meets August 25, 2009 - December 15, 2009** Contact instructor or department for details. *Outreach CITE offering. Dept permission required. Contact aberman2@umd.*	Seats (Total: 22)
IHP2	Ann Schweighofer Contact instructor or department for details. *MCERT ELEM Outreach Offering.Departmental permission required.*	Seats (Total: 20)
IHP3	Jean Snell Contact instructor or department for details. *MCERT SECONDARY Outreach Offering, Shady Grove. Departmental permission required.*	Seats (Total: 20)
IHP4	Saroja Barnes W 5:30pm - 7:30pm *MCERT SECONDARY Outreach Offering. Departmental permission required.*	Seats (Total: 20) Location: TBA
IHP5	Ann Nutter Coffman Contact instructor or department for details. *MCERT SECONDARY Outreach Offering. Departmental permission required.*	Seats (Total: 20)
IHP6	Margaret Walker Sa 9:00am - 1:00pm *MCERT SECONDARY Outreach Offering. Departmental permission required.*	Seats (Total: 22) Location: TBA
IHP7	Kathleen Travers Sa 9:00am - 1:00pm *MCERT SECONDARY Outreach Offering, Shady Grove. Departmental permission required.*	Seats (Total: 20) Location: TBA
IHP8	Melissa Landa Contact instructor or department for details. *MCERT Outreach offering, Shady Grove, departmental permission required.*	Seats (Total: 13)

EDCI732 **Second Language Acquisition**

EDCI732 *(PermReq)* **Second Language Acquisition; (3 credits)** Grade Method: REG/AUD.
Prerequisites: permission of department. Major theoretical approaches to second language acquisition. For teaching English to speakers of other languages (TESOL). MCERT SECONDARY Outreach Offering. Departmental permission required.

0201	Ali Selvi, Roberta Lavine Th 5:00pm - 7:45pm	Seats (Total: 15) KEY 0119
IHP1	Susan Bresee, Roberta Lavine Th 5:00pm - 7:45pm *MCERT SECONDARY Outreach Offering. Departmental permission required.*	Seats (Total: 20) Location: TBA

EDCI734 **Teaching English Language Learners: Current and Future Research Directions**

EDCI734 Teaching English Language Learners: Current and Future Research Directions; (3 credits) Grade Method: REG/AUD.
Corequisite: EDCI780 or EDCI732; or permission of department. Research on the preparation of generalists and specialists teaching English Language Learners. Current research and future research directions.

0101	Megan Peercy Tu 12:30pm - 3:15pm	Seats (Total: 20) COL 0101

EDCI745 **Theory and Research in Written Communication**

EDCI745 Theory and Research in Written Communication; (3 credits) Grade Method: REG/AUD.
Recommended: EDCI 685. Analysis and synthesis of recent theoretical trends in writing research; the reading and critiquing of representative research studies. The study of research methods for conducting disciplined inquiry in written communication.

0101	Joseph McCaleb Contact instructor or department for details. *Will meet Friday Oct. 16, 4-7 p.m. in EDU 2212; Friday Nov. 6th, 4-7 p.m. in EDU 2212; and selected Saturdays (9-3) TBA.*	Seats (Total: 20)

EDCI751 **Foundations of Mathematics Education I: Theory and Research on Mathematical Thinking and Learning**

EDCI751 Foundations of Mathematics Education I: Theory and Research on Mathematical Thinking and Learning; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admitted to Doctoral Program-Math Ed or permission of department.
Study of mathematical thinking by students at various levels of schooling considered from classic and contemporary theories of learning that are particularly relevant to the study of mathematics. Exploration of what it means to understand mathematics.

0101	Ann Edwards M 4:30pm - 7:15pm	Seats (Total: 20) EDU 2121

EDCI758 **Research Seminar in Mathematics Education**

EDCI758 Research Seminar in Mathematics Education; (1 credit) Grade Method: REG/AUD.

0101	Andrew Brantlinger F 9:00am - 11:00am	Seats (Total: 12) EDU 2121

EDCI763 **Reading, Cognition, and Instruction: Reading in the Content Areas I**

EDCI763 Reading, Cognition, and Instruction: Reading in the Content Areas I; (3 credits) Grade Method: REG.
Provide secondary education students with an understanding of the interactive nature of the reading process, the use of search based instructional strategies, the relationship between vocabulary development and student concept development, the design of strategic reading instruction, the methods for assessing content area literacy, and the ability to plan instruction and communicate with students, parents, and allied professionals.

IHP1	Ebony Shockley W 5:30pm - 8:30pm	Seats (Total: 20) Location: TBA
	MCERT SECONDARY Outreach Offering. Departmental permission required.	
IHP2	Ayanna Baccus W 5:30pm - 8:30pm	Seats (Total: 20) Location: TBA
	MCERT SECONDARY Outreach Offering. Departmental permission required.	

EDCI769 **Theory and Research in Reading**

EDCI769 *(PermReq)* **Theory and Research in Reading; (3 credits)** Grade Method: REG/AUD.

0101	Mariam Dreher	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2234

EDCI771 **Theory and Research in Science Education**

EDCI771 Theory and Research in Science Education; (3 credits) Grade Method: REG/AUD.
Prerequisites: EDCI 770; and EDMS 646; or permission of department. A study of various techniques and paradigms for research in science education, pre-kindergarten through college. Identification and critical analysis of a researchable topic in science education and the development of a proposal.

0101	David Hammer	Seats (Total: 15)
	W 12:00pm - 2:50pm	EDU 2212

EDCI780 **Theory and Research on Teaching**

EDCI780 Theory and Research on Teaching; (3 credits) Grade Method: REG/AUD.
Analysis of the interactive process of instruction; preschool through higher education in school and non-school settings; future directions and needed research.

0101	Maria Hyler	Seats (Total: 35)
	Th 4:30pm - 7:15pm	EDU 2212

EDCI784 **Teaching, Professional Development and School Change**

EDCI784 Teaching, Professional Development and School Change; (3 credits) Grade Method: REG/AUD.
Examines currrent scholarship on professional development for K-12 teachers, characteristics of good professional development, and its relationship to teaching, learning, and school improvement.

IHP1	Jonathan Walters, Andrew Wayne	Seats (Total: 13)
	Contact instructor or department for details.	
	Outreach offering for DC Teaching and Learning Policy Program. Dept permission required, contact aberman2@umd.edu.	

EDCI786 **Black and Latino Education: History and Policy**

EDCI786 Black and Latino Education: History and Policy; (3 credits) Grade Method: REG/AUD.
Recommended: EDSP611 and EDCI776. Examination of the historical legacies and contemporary policies that have contributed to the educational status (K-20) of Blacks and Latinos in the United States from the 19th century to the present. Issues surrounding language, immigration, racism, social class, and state and federal policies will also be analyzed.

0101	Victoria MacDonald	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2119

EDCI787 **Disciplinary Knowledge, School Subjects and Educational Reform**

EDCI787 *(PermReq)* **Disciplinary Knowledge, School Subjects and Educational Reform; (3 credits)** Grade Method: REG/AUD.
Examines the interrelationship between ways of knowing in disciplines and how they are represented in school subjects. Implications for the reform of teaching and teacher education are also considered. Outreach offering for Teaching and Learning Policy Program. Dept permis sion required, contact aberman2@umd.edu. Class held at NEA Headquarters. 1201 16th St., NW, DC. Class starts 09/10/09.

0101	Bruce VanSledright	Seats (Total: 7)
	Th 4:15pm - 8:00pm	Location: TBA
	Class to be held at a location in Washington, DC. Time and exact location TBA.	
IHP1	Bruce VanSledright	Seats (Total: 13)
	Contact instructor or department for details.	
	Outreach offering for Teaching and Learning Policy Program. Dept permission required, contact aberman2@umd.edu.	

EDCI788 **Selected Topics in Teacher Education; Selected Topics in Teacher Education**

EDCI788 Selected Topics in Teacher Education: Selected Topics in Teacher Education; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI788D **Selected Topics in Teacher Education; Seminar in Minorities and Urban Education**

EDCI788D Selected Topics in Teacher Education: Seminar in Minorities and Urban Education; (1 credit) Grade Method: REG.
This course is every other Thursday, beginning Thursday, Sept. 10th.

0101	Jacqueline Irvine	Seats (Total: 15)
	Th 12:30pm - 2:30pm	EDU 2212

EDCI788E **Selected Topics in Teacher Education; Research Seminar in Minority and Urban Education**

EDCI788E Selected Topics in Teacher Education: Research Seminar in Minority and Urban Education; (1 credit) Grade Method: REG/AUD.
Restricted to first year doctoral students in the EDCI Minorities and Ur ban Education Program or permission of department. Meets every other Tuesday evening, beginning Tuesday, September 15th.

0101	Victoria MacDonald, Sherick Hughes	Seats (Total: 15)
	Tu 7:15pm - 9:15pm	EDU 2212
	Contact instructor or department for details.	

EDCI788I **Selected Topics in Teacher Education; Supervising and Mentoring Beginning Educators**

EDCI788I Selected Topics in Teacher Education: Supervising and Mentoring Beginning Educators; (1 credit) Grade Method: REG.
Course meets on the following dates: October 12, 19, 26, November 02, 16, 30, December 7th.

0101	Susan DePlatchett	Seats (Total: 30)
	Meets October 5, 2009 - December 7, 2009	
	M 8:00am - 10:00am	EDU 2102

EDCI788J **Selected Topics in Teacher Education; Immigrant and Minority Children: Policies Impacting Student Success and Teacher Education (MIMAUE Colloquium Series).**

EDCI788J Selected Topics in Teacher Education: Immigrant and Minority Children: Policies Impacting Student Success and Teacher Education (MIMAUE Colloquium Series).; (1 credit) Grade Method: REG/AUD.

0101	Martin Johnson, Stephanie Brown W 4:30pm - 6:30pm	Seats (Total: 15) EDU 2121

EDCI788W **Selected Topics in Teacher Education; Latino Bilingualism and Biculturalism**
Contact department for information to register for this course.

EDCI791 **Qualitative Research I: Design and Fieldwork**

EDCI791 *(PermReq)* **Qualitative Research I: Design and Fieldwork; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI790. Formerly EDCI684. Builds on EDCI790 to examine in more depth the theoretical and epistemological moorings of different types of qualitative research. Students apply selected field research methods to problems of professional practice in schools and communities while considering central issues and dilemmas that arise while engaging in fieldwork.

0101	Sherick Hughes W 4:30pm - 7:15pm	Seats (Total: 22) EDU 2119
0201	Connie North Th 4:15pm - 7:00pm	Seats (Total: 18) EDU 2119

EDCI798 **Special Problems in Teacher Education**

EDCI798 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI799 **Master's Thesis Research**

EDCI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI858 **Seminar in Mathematics Education**

EDCI858 Seminar in Mathematics Education; (1-3 credits) Grade Method: REG.

0101	Andrew Brantlinger F 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 10) EDU 2121

EDCI880 **Doctoral Proposal Seminar**

EDCI880 Doctoral Proposal Seminar; (3 credits) Grade Method: REG/AUD. *Prerequisites: EDCI 685; and EDCI 780; and permission of department.* Definition of the problem, development of research design, data collection processes, and writing and critiquing dissertation proposals.

IHP1	Willis Hawley, David Imig, John O'Flahavan Contact instructor or department for details. *Outreach offering for Teaching and Learning Policy Program. Dept permission required, contact aberman2@umd.edu.*	Seats (Total: 13)

EDCI881 **Ontology and Research Among Marginalized Groups**

EDCI881 Ontology and Research Among Marginalized Groups; (3 credits) Grade Method: REG/AUD.
Recommended: EDCI776. Students analyze the different ways in which social inequality has been understood over time, how those understandings have shaped research of marginalized communities and how, in turn, research has shaped understandings of inequality, particularly in the area of education. Genetic difference, cultural deprivation, and social reproduction are among the theories covered in the course. Students examine both empirically- and theoretically-based works and connections between theoretical frameworks, problem-posing and methodological approaches.

0101	Sherick Hughes Tu 4:15pm - 7:00pm	Seats (Total: 22) EDU 2212

EDCI888 **Apprenticeship in Education**

EDCI888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI889 **Internship in Education**

EDCI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

EDCI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI899 **Doctoral Dissertation Research**

EDCI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services — Fall 2009

EDCP108B **College and Career Advancement: Concepts and Skills; Reading and Study Skills**

All sections of EDCP 108, except EDCP 108D, 108J and 108R are closed to Seniors. **EDCP108B College and Career Advancement: Concepts and Skills: Reading and Study Skills; (1 credit)** Grade Method: REG/P-F/AUD.

0201	Shirley Browner **Meets October 19, 2009 - December 7, 2009** MW 1:00pm - 1:50pm	Seats (Total: 30) EDU 1107
0501	Beverly Greenfeig **Meets August 31, 2009 - October 31, 2009** Th 12:30pm - 1:50pm	Seats (Total: 30) HJP 1229

0601	Beverly Greenfeig **Meets October 13, 2009 - December 7, 2009** Tu 12:30pm - 1:50pm	Seats (Total: 30) HJP 1229
0801	Shirley Browner **Meets August 31, 2009 - October 14, 2009** MW 2:00pm - 2:50pm	Seats (Total: 30) EDU 2119

EDCP108C **College and Career Advancement: Concepts and Skills; Choosing a Major**

EDCP108C College and Career Advancement: Concepts and Skills: Choosing a Major; (1 credit) Grade Method: REG.
Recommended for freshman and sophomores needing to choose or clarify an academic major.

0101	Linda Gast **Meets September 7, 2009 - November 14, 2009** Tu 10:00am - 11:50am	Seats (Total: 25) LEF 1201
0201	Linda Gast **Meets September 9, 2009 - November 14, 2009** Tu 1:00pm - 2:50pm	Seats (Total: 25) HBK 0115
0301	Yvonne Oslin **Meets September 7, 2009 - November 14, 2009** W 2:00pm - 3:50pm	Seats (Total: 20) HBK 0105

EDCP108G **College and Career Advancement: Concepts and Skills; The Transfer Student in the University**

EDCP108G College and Career Advancement: Concepts and Skills: The Transfer Student in the University; (1 credit) Grade Method: REG/P-F/AUD.

0101	Barbara Goldberg **Meets September 7, 2009 - November 28, 2009** M 11:00am - 12:30pm	Seats (Total: 30) TYD 1114

EDCP108I **College and Career Advancement: Concepts and Skills; Academic Transitions to Internships**

EDCP108I College and Career Advancement: Concepts and Skills: Academic Transitions to Internships; (1 credit) Grade Method: REG/P-F/AUD.
Recommended for freshmen, sophomores, and juniors. Designed for students who are seeking to learn more about strategies for finding an internship experience.

0101	Michael McDonald Tu 2:00pm - 2:50pm	Seats (Total: 20) HBK 3134
0201	Megan McKnight W 10:00am - 10:50am	Seats (Total: 20) HBK 3134
0301	Michael McDonald W 2:00pm - 2:50pm	Seats (Total: 20) COL 3114

EDCP108J **College and Career Advancement: Concepts and Skills; Job Search Strategies**

EDCP108J College and Career Advancement: Concepts and Skills: Job Search Strategies; (1 credit) Grade Method: REG/P-F/AUD.
Recommended for juniors and seniors. Designed for students who are seeking to learn more about strategies for landing full time employment and succeeding at work.

0201	Sherry Waldrep W 12:00pm - 12:50pm	Seats (Total: 20) HBK 3134
0301	Sherry Waldrep **Meets September 1, 2009 - October 15, 2009** TuTh 11:00am - 11:50am	Seats (Total: 20) HBK 3134
0401	Sherry Waldrep M 10:00am - 10:50am	Seats (Total: 20) HBK 3134

0501	Stacey Brown, Emily Kasper M 1:00pm - 1:50pm	Seats (Total: 20) HBK 3134
0601	Pamela Allen, Linda LeNoir W 2:00pm - 2:50pm	Seats (Total: 20) HBK 3134

EDCP108M **College and Career Advancement: Concepts and Skills; Math Study Skills and Building Confidence**

EDCP108M College and Career Advancement: Concepts and Skills: Math Study Skills and Building Confidence; (1 credit) Grade Method: REG/AUD.
Course registration is restricted to freshman and sophomore students. Other students may request enrollment with permission from the instructor and only if seats are available. Questions concerning the course can be directed to the instructor, Janet Thiel, at (301)314-7693. Once registered, please check your email for information about the first class meeting.

0101	Janet Thiel **Meets August 31, 2009 - October 16, 2009** Contact instructor or department for details.	Seats (Total: 25)
0301	Farhaana Nyamekye **Meets September 14, 2009 - November 2, 2009** M 3:00pm - 4:30pm *Restricted to ACE Program Students only.*	Seats (Total: 25) TYD 0111
0401	Farhaana Nyamekye **Meets October 7, 2009 - December 2, 2009** W 3:00pm - 4:30pm *Restricted to ACE Program Students only.*	Seats (Total: 25) ASY 3219

EDCP108N **College and Career Advancement: Concepts and Skills; Diversity Issues and Academic Strategies for Success**

EDCP108N College and Career Advancement: Concepts and Skills: Diversity Issues and Academic Strategies for Success; (1 credit) Grade Method: REG.

0401	Solomon Comissiong, Ronald Zeigler M 10:00am - 11:00am	Seats (Total: 25) NCC 0120
0501	Shaunna Payne Gold W 1:00pm - 2:00pm	Seats (Total: 25) HBK 1112

EDCP108R **College and Career Advancement: Concepts and Skills; Returning Students**

EDCP108R College and Career Advancement: Concepts and Skills: Returning Students; (1 credit) Grade Method: REG/P-F/AUD.

0101	Barbara Goldberg Th 12:30pm - 1:50pm	Seats (Total: 30) LEF 1171

EDCP217 **Introduction to Student Leadership**

EDCP217 Introduction to Student Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Freshmen and Sophomore standing. Credit will be granted for only one of the following: EDCP217 or EDCP317. Formerly EDCP317. Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application. Students must pay a $36 materials fee.

0101	Daniel Ostick TuTh 12:30pm - 1:45pm	Seats (Total: 25) EDU 1107
0201	Kristan Skendall TuTh 9:30am - 10:45am	Seats (Total: 25) TWS 0236
0301	Daniel Ostick MW 11:00am - 12:15pm	Seats (Total: 25) COL 3111
0401	Amie Jackson TuTh 3:30pm - 4:45pm	Seats (Total: 20) Location: TBA
	Prerequisite: Permission needed. Section open only to members of Fraternity and Sorority organizations recognized by the Office of Fraternity and Sorority Life. Contact Tawanna Twitty at ttwitty@umd.edu or 301-314-7172 for permission to enroll.	

0501	Elizabeth Brown, Corey Bailey MW 2:00pm - 3:15pm	Seats (Total: 25) TWS 0201
	Prerequisite: Permission needed. Section open only to members of Fraternity and Sorority organizations recognized by the Office of Fraternity and Sorority Life. Contact Tawanna Twitty at ttwitty@umd.edu or 301-314-7172 for permission to enroll.	

EDCP220 **Introduction to Human Diversity in Social Institutions**

EDCP220 Introduction to Human Diversity in Social Institutions; (3 credits)
Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted. Also offered as AAST298B.

0101	Vanessa Hong TuTh 11:00am - 12:15pm	Seats (Total: 25) BPS 0283
0201	Roxanna Pebdani MW 11:00am - 12:15pm	Seats (Total: 25) TWS 0234

EDCP298 **Special Problems in Counseling and Personnel Services**

EDCP298 Special Problems in Counseling and Personnel Services; (1-3 credits)
Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP310 **Peer Counseling Theory and Skills**

EDCP310 Peer Counseling Theory and Skills; (3 credits) Grade Method: REG. The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.

0101	Kathryn Ziemer TuTh 11:00am - 12:15pm	Seats (Total: 25) PLS 1146
0201	Katherine Shanahan MW 8:00am - 9:15am	Seats (Total: 25) PLS 1113

EDCP312 **Multi-Ethnic Peer Counseling**

EDCP312 Multi-Ethnic Peer Counseling; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Prerequisite: undergraduate status. Sophomore standing. Formerly EDCP310A. Knowledge, skills, and attitude to function as peer helpers of Multi- Ethnic students. Also offered as AAST398E.

0201	L Gomez W 2:00pm - 4:45pm	Seats (Total: 25) EGR 1104

EDCP315 **Student Leadership in Groups and Organizations**

EDCP315 Student Leadership in Groups and Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: EDCP217. Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts.

0101	Omowale Elson, Chetan Chowdhry TuTh 11:00am - 12:15pm *Students must pay a $38 materials fee.*	Seats (Total: 25) JMZ 3203
0201	Dian Squire, Jay Garvey MW 12:30pm - 1:45pm *Students must pay a $38 materials fee.*	Seats (Total: 25) COL 0102
0301	Emily Heavin MW 2:00pm - 3:15pm *Students must pay a $38 materials fee.*	Seats (Total: 25) COL 0102

SG91	Glacia Ethridge TuTh 12:30pm - 1:45pm *This section meets at Universities at Shady Grove.*	Seats (Total: 50) SG3 2230

EDCP318A **Applied Contextual Leadership; Leadership and Community Service**

EDCP318A Applied Contextual Leadership: Leadership and Community Service; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sonia Flynn, Margaret Morgan-Hubbard Tu 4:00pm - 6:45pm	Seats (Total: 15) TWS 0201

EDCP318I **Applied Contextual Leadership; Global Leadership**

EDCP318I *(PermReq)* **Applied Contextual Leadership: Global Leadership; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of instructor.

0101	Daniel Ostick, Megan O'Rourke Tu 4:30pm - 6:30pm Contact instructor or department for details.	Seats (Total: 25) BPS 1232

EDCP318J **Applied Contextual Leadership; Leadership and Sports**

EDCP318J Applied Contextual Leadership: Leadership and Sports; (3 credits) Grade Method: REG/P-F/AUD.

0101	Terry Zacker TuTh 12:30pm - 1:45pm	Seats (Total: 25) SQH 2121

EDCP318K **Applied Contextual Leadership; Leadership in Global Context**

EDCP318K Applied Contextual Leadership: Leadership in Global Context; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only of the following: EDCP318I or EDCP318K.

0101	Elizabeth Niehaus MW 11:00am - 12:15pm	Seats (Total: 20) EDU 0202

EDCP318L **Applied Contextual Leadership; Adaptive Strategies for Multicultural Leadership and Dialogue**

EDCP318L Applied Contextual Leadership: Adaptive Strategies for Multicultural Leadership and Dialogue; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDCP318L or BSOS30 1.

0101	Rhondie Voorhees	Seats (Total: 25)
	Tu 3:30pm - 6:15pm	JMP 2202

EDCP318M **Applied Contextual Leadership; Leadership and Education**

EDCP318M *(PermReq)* **Applied Contextual Leadership: Leadership and Education; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of instructor. All interested students must go through the America Reads*America Counts application process before registering for the class. Contact instructor for more information.

0101	Katie Conlon	Seats (Total: 25)
	M 12:00pm - 2:00pm	HBK 1112
	Contact instructor or department for details.	

EDCP318N **Applied Contextual Leadership; Leadership in Collaborative Learning Groups**

EDCP318N *(PermReq)* **Applied Contextual Leadership: Leadership in Collaborative Learning Groups; (3 credits)** Grade Method: REG/P-F/AUD.
This course is restricted to students selected to participate in the gui ded study program through the Counseling Center.

0101	Wendy Wilson	Seats (Total: 20)
	Contact instructor or department for details.	

EDCP386 **Experiential Learning**

EDCP386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Special EDCP form required.

Contact department for information to register for this course.

EDCP418A **Special Topics in Leadership; Asian American Leadership**

EDCP418A Special Topics in Leadership: Asian American Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498I.

0101	Dharma Naik, Jeehye Deogracias	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	PLS 1130

EDCP418D **Special Topics in Leadership; Leadership and Ethnicity**

EDCP418D Special Topics in Leadership: Leadership and Ethnicity; (3 credits) Grade Method: REG/P-F/AUD.

0101	Brandon Dula	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	COL 0100

EDCP418F **Special Topics in Leadership; Jewish Leadership**

EDCP418F Special Topics in Leadership: Jewish Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419M.

0101	Ari Israel	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ARC 1101

EDCP420 **Advanced Topics in Human Diversity and Advocacy**

EDCP420 *(PermReq)* **Advanced Topics in Human Diversity and Advocacy; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: permission of department. This course will build upon students' knowledge of diversity in American society and will examine contemporary topics related to multiculturalism in educational and community contexts as well as strategies for advocacy in such venues. This course fulfills CORE requirements in diversity.

0101	Jill Paquin	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	PAC 1809

EDCP489 **Field Experiences in Counseling and Personnel Services**

EDCP489 *(PermReq)* **Field Experiences in Counseling and Personnel Services; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

EDCP498 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP499B **Workshops, Clinics, Institutes; Instructional Consultation Summer Institute**

EDCP499B Workshops, Clinics, Institutes: Instructional Consultation Summer Institute; (3 credits) Grade Method: REG/P-F/AUD.

9101	Todd Gravois	Seats (Total: 80)
	Contact instructor or department for details.	

EDCP499L **Workshops, Clinics, Institutes; Preparation to Lead Relationship Skills Workshops**

EDCP499L *(PermReq)* **Workshops, Clinics, Institutes: Preparation to Lead Relationship Skills Workshops; (3 credits)** Grade Method: REG/P-F/AUD.

0201	Patricia Mielke	Seats (Total: 25)
	Contact instructor or department for details.	

EDCP610 **Professional Orientation**

EDCP610 Professional Orientation; (3 credits) Grade Method: REG/AUD. Survey of knowledge base and practices in counseling and personnel services specializations, professional ethics, credentialling relevant legislation, current issues.

0101	Kim MacDonald-Wilson	Seats (Total: 12)
	Th 4:15pm - 7:00pm	EDU 3233
	Limited to Rehabilitation Counseling Students.	

0201	Vivian Lee M 7:00pm - 9:45pm *Limited to School Counseling Students.*	Seats (Total: 20) EDU 3236
0301	Susan Komives W 1:00pm - 3:45pm *Limited to College Student Personnel Students.*	Seats (Total: 20) EDU 0206

EDCP616 **Counseling II: Theory and Practice**

EDCP616 Counseling II: Theory and Practice; (3 credits) Grade Method: REG/AUD.
Corequisite: EDCP 618. Counseling theories and the practices which stem from such theories.

0101	Akira Otani Tu 4:15pm - 7:00pm *Limited to Students in the Masters Program.*	Seats (Total: 40) EDU 0212

EDCP618 **Counseling Skills: Introduction to Practicum**

EDCP618 Counseling Skills: Introduction to Practicum; (1 credit) Grade Method: REG.
Corequisite: EDCP 616.

0101	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 0114
0201	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 0206
0301	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 0212
0501	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 0202

EDCP619B **Practicum in Counseling; CSP Counseling Practicum**

EDCP619B Practicum in Counseling: CSP Counseling Practicum; (3 credits) Grade Method: REG.

0101	Sharon Kirkland-Gordon Th 1:00pm - 4:00pm	Seats (Total: 4) SHM 1103

EDCP635 **School Consultation I**

EDCP635 School Consultation I; (3 credits) Grade Method: REG/AUD.
Prerequisite: limited to school psychology students or permission of instructor. Theory and practice of consultation services in the school setting. Understanding of school culture. Introduction to problem solving model of case consultation for assessment and remediation of learning and behavior problems in the classroom. Practicum experience.

0101	Deborah Nelson M 1:00pm - 3:45pm	Seats (Total: 10) EDU 1210B

EDCP640 **School Psychology Seminar: Overview of the Specialty**

EDCP640 School Psychology Seminar: Overview of the Specialty; (1-2 credits) Grade Method: REG/AUD.
Limited to school psychology students or permission of instructor. Overviews the specialty of school psychology, including history of the specialty, roles and functions of school psychologists, and current professional issues related to the specialty.

0101	William Strein Tu 10:00am - 11:30am	Seats (Total: 10) EDU 1210B

EDCP641 **School Psychology Seminar: Professional Ethics**

EDCP641 School Psychology Seminar: Professional Ethics; (1-2 credits) Grade Method: REG/AUD.
Limited to school psychology students or permission of instructor. Overviews ethical issues in the specialty of school psychology.

0101	Karen O'Brien M 9:30am - 12:00pm	Seats (Total: 10) Location: TBA

EDCP651 **Group Counseling in Schools**

EDCP651 Group Counseling in Schools; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDCP 616. For school counseling and school psychology students only or permission of instructor.* Issues and techniques of group counseling in schools.

0101	Julia Bryan W 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDCP656 **Counseling and Personnel Services Seminar**

EDCP656 Counseling and Personnel Services Seminar; (2 credits) Grade Method: REG/AUD.
Examination of issues that bear on professional issues such as ethics, interprofessional relationships and research.

0101	Susan Komives Tu 1:15pm - 3:45pm *For CSPA majors only.*	Seats (Total: 8) EDU 3233

EDCP662 **Psychosocial and Medical Aspects of Disability**

EDCP662 Psychosocial and Medical Aspects of Disability; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP 610 or equivalent. Appraisal and understanding of the psychosocial and medical aspects of disability and chronic illness, including their nature, causes, functional aspects and treatment; understanding of how psychological and social factors influence the adjustment processes in disability.

0101	Ellen Fabian M 4:15pm - 7:00pm	Seats (Total: 25) EDU 3233

EDCP663 **Rehabilitation and Treatment of Mental and Emotional Disorders**
Contact department for information to register for this course.

EDCP665 **Family and Social Support Systems**

EDCP665 Family and Social Support Systems; (3 credits) Grade Method: REG/AUD.
Recommended: EDCP 610. Principles and methods useful for understanding the role of family support systems in counseling. Specialized skills for counseling impaired adults and their families.

0101	Anita Young M 5:00pm - 7:45pm	Seats (Total: 20) TWS 0201

EDCP682 **Counseling Psychology Didactic Practicum in Group Interventions**

EDCP682 Counseling Psychology Didactic Practicum in Group Interventions; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 682. Formerly EDCP718. In depth examination of theories and techniques of group interventions; supervised experience in group counseling.

0101	Dennis Kivlighan W 9:00am - 12:00pm	Seats (Total: 10) EDU 2102

EDCP685 **Counseling Psychology Didactic Practicum in Counseling Supervision**

EDCP685 Counseling Psychology Didactic Practicum in Counseling Supervision; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 685. Formerly EDCP745. In depth examinatin of theories and techniques of counseling supervision, supervised experience in the process of supervising counselors.

0101	Robert Lent M 1:00pm - 4:00pm	Seats (Total: 10) BPS 3141

EDCP692 **Assessment in Counseling Psychology I**

EDCP692 Assessment in Counseling Psychology I; (3 credits) Grade Method: REG.
For Counseling Psychology majors only. Also offered as PSYC 692. Formerly EDCP789F. Broad introduction to the construction of psychological tests and measures, and experience in test interpretation, with consideration of historical, legal, ethical, and cultural issues surrounding the assessment process. A required materials fee of $36 will be charged to the student's account.

0101	Matthew Miller M 1:00pm - 4:00pm	Seats (Total: 20) ASY 3219

EDCP718 **Advanced Seminar in Group Processes**

EDCP718 *(PermReq)* **Advanced Seminar in Group Processes; (3 credits)** Grade Method: REG.
This course is limited to Counselor Ed Students.

0101	Courtland Lee W 1:15pm - 4:00pm	Seats (Total: 10) EDU 1210B

EDCP735 **Seminar in Rehabilitation Counseling**

EDCP735 Seminar in Rehabilitation Counseling; (3 credits) Grade Method: REG.
Part of the core curriculum for rehabilitation counselors. Designed to provide the advanced rehabilitation counseling student with a formal seminar to discuss, evaluate and attempt to reach personal resolution regarding pertinent professional problems and issues in the field.

0201	Ellen Fabian Tu 1:15pm - 4:00pm *Limited to Rehabilitation Counseling Doctoral Students.*	Seats (Total: 15) EDU 2102

EDCP738 **Practicum in Child Assessment**

EDCP738 Practicum in Child Assessment; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi, Lee Rothman Th 9:00am - 12:15pm	Seats (Total: 10) Location: TBA

EDCP741 **Multicultural Practice in Student Affairs: Self, Education, and Society**

EDCP741 Multicultural Practice in Student Affairs: Self, Education, and Society; (2 credits) Grade Method: REG/AUD.
Prerequisite: EDCP771. Credit will be granted for only one of the following: EDCP741 or EDCP789Z. Formerly EDCP789Z. Develop knowledge and skills in the area of multicultural practice in student affairs through the examination of oppression, power, and privilege and how these dynamics impact individuals, educational institutions, and societies.

0101	Susan Jones W 4:15pm - 7:00pm	Seats (Total: 20) EDU 3233

EDCP745 **Supervision of Counseling**

EDCP745 *(PermReq)* **Supervision of Counseling; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Open to doctoral students only. For EDCP majors only. Survey of knowledge base, research approaches, and applied skills in supervision of counseling.

0101	Courtland Lee Tu 1:15pm - 4:00pm	Seats (Total: 10) EDU 2101

EDCP772 **Research in College Student Personnel**

EDCP772 Research in College Student Personnel; (3 credits) Grade Method: REG.
Prerequisite: EDCP 656 or permission of instructor. Limited to college student personnel students only. Research designs and approaches to research in student development and higher education. Development of research for research competency or dissertation proposal.

0101	Karen Inkelas, Stephen Quaye W 1:00pm - 3:45pm	Seats (Total: 30) EDU 3233

EDCP775 **Facilitating Student Learning in Higher Education**

EDCP775 *(PermReq)* **Facilitating Student Learning in Higher Education; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCP771 or permission of department. Doctoral standing. Application of selected models of college student development, learning styles, and related models of instruction to the assessment of characteristics and the design of learning environments. For CSPA majors only.

0101	Stephen Quaye Tu 4:15pm - 7:00pm	Seats (Total: 15) EDU 3233

EDCP788 **Advanced Practicum**

EDCP788 Advanced Practicum; (1-6 credits) Grade Method: REG/AUD.

0101	Courtland Lee M 1:00pm - 4:00pm	Seats (Total: 11) EDU 3233

EDCP789A **Advanced Topics in Counseling and Personnel Services; Fellowship Seminar**

EDCP789A Advanced Topics in Counseling and Personnel Services: Fellowship Seminar; (1-6 credits) Grade Method: REG/AUD.
Limited to CAPS Doctoral students only.

0101	Dennis Kivlighan, William Strein F 12:00pm - 1:30pm	Seats (Total: 20) EDU 3236

EDCP789B **Advanced Topics in Counseling and Personnel Services; Grounded Theory Research**

EDCP789B Advanced Topics in Counseling and Personnel Services: Grounded Theory Research; (3 credits) Grade Method: REG/AUD.

0101	Susan Jones M 1:00pm - 3:45pm	Seats (Total: 20) EDU 0202

EDCP789F **Advanced Topics in Counseling and Personnel Services; History of Mental Health and Psychological Science**

EDCP789F Advanced Topics in Counseling and Personnel Services: History of Mental Health and Psychological Science; (3 credits) Grade Method: REG/AUD.

0101	Gary Gottfredson W 1:15pm - 4:00pm	Seats (Total: 20) EDU 0202

EDCP789I **Advanced Topics in Counseling and Personnel Services; Capstone Seminar**

EDCP789I Advanced Topics in Counseling and Personnel Services: Capstone Seminar; (3 credits) Grade Method: REG.

0101	Jim Osteen, Linda Clement W 4:15pm - 7:00pm	Seats (Total: 8) MIT 2108

EDCP789J **Advanced Topics in Counseling and Personnel Services; Prevention and Treatment Program Development and Evaluation**

EDCP789J Advanced Topics in Counseling and Personnel Services: Prevention and Treatment Program Development and Evaluation; (3 credits) Grade Method: REG/AUD.

0101	Gary Gottfredson W 4:15pm - 7:00pm	Seats (Total: 15) TWS 0207

EDCP789L **Advanced Topics in Counseling and Personnel Services; College Student Personnel Second Year Doctoral Seminar**

EDCP789L Advanced Topics in Counseling and Personnel Services: College Student Personnel Second Year Doctoral Seminar; (1 credit) Grade Method: REG/AUD.
Limited to College Student Personnel Doctoral Students.

0101	Barbara Jacoby Tu 2:00pm - 4:00pm	Seats (Total: 10) WDS 1131

EDCP789M **Advanced Topics in Counseling and Personnel Services; Multicultural Counseling**

EDCP789M *(PermReq)* **Advanced Topics in Counseling and Personnel Services: Multicultural Counseling; (3 credits)** Grade Method: REG/AUD.
Limited to CSP Doctoral Students.

0101	Vivian Boyd Th 1:00pm - 4:00pm	Seats (Total: 10) SQH 3109

EDCP789Q **Advanced Topics in Counseling and Personnel Services; Developmental Psychopathology**

EDCP789Q Advanced Topics in Counseling and Personnel Services: Developmental Psychopathology; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi	Seats (Total: 10)
	W 9:30am - 12:15pm	EDU 3236

EDCP789X **Advanced Topics in Counseling and Personnel Services; Lifespan Development**

EDCP789X Advanced Topics in Counseling and Personnel Services: Lifespan Development; (3 credits) Grade Method: REG.

0101	Paul Gold	Seats (Total: 20)
	Th 4:15pm - 7:00pm	JMZ 3120

EDCP789Y **Advanced Topics in Counseling and Personnel Services; Research Counseling**

EDCP789Y Advanced Topics in Counseling and Personnel Services: Research Counseling; (3 credits) Grade Method: REG/AUD.

0101	Julia Bryan	Seats (Total: 10)
	M 1:15pm - 4:00pm	ASY 3217

EDCP798 **Special Problems in Counseling and Personnel Services**

EDCP798 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

EDCP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

EDCP888 *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel Administration Apprenticeship**

EDCP888A *(PermReq)* **Apprenticeship in Counseling and Personnel Services: College Student Personnel Administration Apprenticeship; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	John Zacker Tu 1:30pm - 4:00pm	Seats (Total: 10) Location: TBA

EDCP888C **Apprenticeship in Counseling and Personnel Services; School Psychology**

EDCP888C Apprenticeship in Counseling and Personnel Services: School Psychology; (1-8 credits) Grade Method: REG.

0101	William Strein Contact instructor or department for details.	Seats (Total: 15)
0201	Hedwig Teglasi Contact instructor or department for details.	Seats (Total: 15)
0301	Sylvia Rosenfield Contact instructor or department for details.	Seats (Total: 15)
0401	Gary Gottfredson Contact instructor or department for details.	Seats (Total: 15)
0501	Beth Warner Contact instructor or department for details.	Seats (Total: 15)

EDCP888G **Apprenticeship in Counseling and Personnel Services**

EDCP888G Apprenticeship in Counseling and Personnel Services; (1-6 credits) Grade Method: REG/AUD.
Restricted to School Counseling Students only.

0201	Courtland Lee	Seats (Total: 10)
	Contact instructor or department for details.	

EDCP888R **Apprenticeship in Counseling and Personnel Services**

EDCP888R *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (3 credits)** Grade Method: REG/AUD.
For second year Rehabilitation Counseling students only.

0101	Mary Stapleton	Seats (Total: 10)
	Th 7:00pm - 9:45pm	EDU 3233

EDCP889 **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

EDCP889 Internship in Counseling and Personnel Services: Internship in Counseling and Personnel Services; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

EDCP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

EDCP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD Education, Human Development Fall 2009

EDHD210 **Foundations of Early Childhood Education**

EDHD210 *(PermReq)* **Foundations of Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD220. An overview of historical, philosophical, psychological, and contemporary influences on the field of early childhood education. Intended primarily for students planning to apply to the Early Childhood Education program.

0101	Jeanne Galbraith M 1:00pm - 4:00pm	Seats (Total: 28) EDU 1315	

EDHD220 **Exploring Teaching in Early Childhood Education**

EDHD220 *(PermReq)* **Exploring Teaching in Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD210. Practicum with preschool children at the Center for Young Children, University lab school, and other preschools. Students reflect on personal strengths, identify areas of growth, and examine their predisposition to teach. Intended primarily for students planning to apply to the Early Childhood Education Program.

0101	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm M 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0102	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm Tu 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0103	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm W 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0104	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm Th 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab
0105	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm F 8:00am - 12:00pm	Seats (Total: 5) EDU 3236 Location: TBA	Lab

EDHD222 **Literature in the Early Childhood Classroom**

EDHD222 Literature in the Early Childhood Classroom; (3 credits) Grade Method: REG.

For early childhood education majors only. Credit will be granted for only one of the following: EDCI443A or EDHD222. Introduces students to the realm of literature for young children. Through studying, reading, listening to and using books and poems, students develop an understanding about qualities in literature that are meaningful to children.

0101	Maria Salvadore Th 2:00pm - 5:00pm	Seats (Total: 23) CYC 1213

EDHD230 **Human Development and Societal Institutions**

EDHD230 Human Development and Societal Institutions; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

0101	Jo-Ann Amadeo MW 11:00am - 12:15pm	Seats (Total: 40) SQH 1119
0201	Jo-Ann Amadeo MW 2:00pm - 3:15pm	Seats (Total: 35) EDU 0306
0301	Ebony Dashiell-Aje TuTh 2:00pm - 3:15pm	Seats (Total: 35) KEY 0125

EDHD230S **Human Development and Societal Institutions**

EDHD230S Human Development and Societal Institutions; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

Restricted to College Park Scholars - Advocates for Children.

0101	Karen Watkins-Lewis TuTh 2:00pm - 3:15pm	Seats (Total: 35) TYD 2110

0201	Karen Watkins-Lewis TuTh 9:30am - 10:45am	Seats (Total: 35) EDU 3315
0301	Karen Watkins-Lewis TuTh 11:00am - 12:15pm	Seats (Total: 35) EDU 3315

EDHD285 **Designing Multimedia Computer Environments for Learners**

EDHD285 Designing Multimedia Computer Environments for Learners; (3 credits) Grade Method: REG.
For early childhood majors only. Freshman standing. A focus on the application of new computer technologies for learners in an educational setting. Topics to be explored: understanding the learner as a technology user, defining learning outcomes to be supported by technology, differing approaches to the technology design process and methods of technology integration in the classroom.

0101	Bonnie Mackintosh W 1:00pm - 4:00pm	Seats (Total: 25) EDU 0220

EDHD306 **Research Methods in Human Development**

EDHD306 Research Methods in Human Development; (3 credits) Grade Method: REG.
Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

0101	Daniel Dinsmore TuTh 11:00am - 12:15pm	Seats (Total: 35) ARC 1103
0301	Soo Chae MW 9:30am - 10:45am	Seats (Total: 40) EDU 0212

EDHD315 **Reading in Early Childhood Classroom: Instruction and Materials Part II**

EDHD315 *(PermReq)* **Reading in Early Childhood Classroom: Instruction and Materials Part II; (3 credits)** Grade Method: REG.
Prerequisite: EDHD314. For early childhood majors only. This course builds on the theories and teaching strategies of EDHD314. Students will focus on teaching of reading and writing to primary grade students.

0101	Lea Christenson W 1:30pm - 3:30pm Contact instructor or department for details.	Seats (Total: 36) EDU 0212

EDHD319 **Selected Topics in Human Development**

EDHD319 Selected Topics in Human Development; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD320 **Human Development Through the Life Span**

EDHD320 Human Development Through the Life Span; (3 credits) Grade Method: REG/AUD.
Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0101	Sandra Baker TuTh 9:30am - 10:45am	Seats (Total: 45) ARC 1105
0201	Shannon Russell TuTh 12:30pm - 1:45pm	Seats (Total: 45) EDU 3315
0301	Sandra Baker TuTh 11:00am - 12:15pm	Seats (Total: 45) ARC 1105
0401	Theresa Hoffmann TuTh 2:00pm - 3:15pm	Seats (Total: 45) SQH 1117
0501	Melissa Duchene MW 11:00am - 12:15pm	Seats (Total: 45) BPS 1238

0601	Alaina Brenick MW 2:00pm - 3:15pm	Seats (Total: 45) COL 3111	
0701	Cameron Richardson M 4:15pm - 7:00pm	Seats (Total: 45) BPS 1238	
0801	Alice Donlan MW 11:00am - 12:15pm	Seats (Total: 45) LEF 2208	
0901	Shannon Russell TuTh 9:30am - 10:45am	Seats (Total: 45) EDU 0212	
1001	Robert Marcus TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 45) TWS 1100 ASY 3207	 Discussion
1002	Robert Marcus TuTh 11:00am - 11:50am M 11:00am - 11:50am	Seats (Total: 45) TWS 1100 ARC 1103	 Discussion
1101	Cameron Richardson Tu 4:15pm - 7:00pm	Seats (Total: 44) HBK 0109	
1201	Wei Gao TuTh 2:00pm - 3:15pm	Seats (Total: 45) ARC 1105	
1301	Melissa Duchene MW 9:30am - 10:45am	Seats (Total: 45) HBK 0109	

EDHD321 **The Young Child as Scientist**

EDHD321 *(PermReq)* **The Young Child as Scientist; (2 credits)** Grade Method: REG.
Prerequisites: EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD322, EDHD323, EDHD315, EDHD435. For early childhood majors only. Senior standing. Provides theoretical and practical knowledge for teaching science in early childhood classrooms. Appropriate teaching strategies and materials of instruction are presented for diverse settings. Includes field experience.

0101	Anne Horne M 8:30am - 10:00am Contact instructor or department for details.	Seats (Total: 36) EDU 3315

EDHD322 **The Young Child as Mathematician**

EDHD322 *(PermReq)* **The Young Child as Mathematician; (3 credits)** Grade Method: REG.
Prerequisites: EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD321, EDHD323, EDHD315, EDHD435. For early childhood majors only. Senior standing. Engages early childhood education majors in mathematics as a creative process and dynamic way of thinking. Throughout this process students will acquire the pedagogical knowledge important to teaching mathematics in grades pre-K through 3. Includes field experience.

0101	Bonnie Mackintosh W 8:30am - 10:30am Contact instructor or department for details.	Seats (Total: 36) EDU 2121

EDHD323 **Children Study Their World**

EDHD323 *(PermReq)* **Children Study Their World; (2 credits)** Grade Method: REG.
Prerequisites: EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD321, EDHD322, EDHD315, EDHD435. For early childhood majors only. Senior standing. Provides a theoretical framework for pre-service teachers to understand and implement a developmentally appropriate social studies curriculum. The focus will be on methods of implementing theories of child development and curriculum, which foster higher level thinking skills in young children. Includes field experience.

0101	Mary Gnezda W 10:40am - 12:10pm Contact instructor or department for details.	Seats (Total: 36) EDU 1121

EDHD386 **Experiential Learning**

EDHD386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

EDHD400 **Introduction to Gerontology**

EDHD400 Introduction to Gerontology; (3 credits) Grade Method: REG/AUD. Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101	Elizabeth Robertson-Tchabo Th 1:00pm - 3:45pm Class time/details on ELMs	Seats (Total: 150) ARM 0135 ONLINE	 Discussion

EDHD401 **Promoting Optimal Aging**

EDHD401 Promoting Optimal Aging; (3 credits) Grade Method: REG. *Prerequisite: EDHD320, or EDHD400, or permission of department. Also offered as EDHD641. Credit will be granted for only one of the following: EDHD401 or EDHD641.* Theoretical, research, and applied issues related to optimal aging from psychological, biological, and societal perspectives. Group or individual projects involving direct field experiences.

0101	Elizabeth Robertson-Tchabo W 9:30am - 12:15pm	Seats (Total: 35) HBK 0105

EDHD411 **Child Growth and Development**

EDHD411 Child Growth and Development; (3 credits) Grade Method: REG/AUD. Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0201	Jennie Lee-Kim W 9:00am - 11:45am	Seats (Total: 28) EDU 3233
0301	Geetha Ramani Th 1:00pm - 3:45pm *Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.*	Seats (Total: 30) EDU 0212

0401	Alexis Williams MW 11:00am - 12:15pm	Seats (Total: 40) SQH 1101
	Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	

EDHD413 **Adolescent Development**

EDHD413 Adolescent Development; (3 credits) Grade Method: REG. Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study. Sections 0201-0301 are for the secondary education majors only.

0101	Nathan Hall Tu 9:30am - 12:15pm	Seats (Total: 30) EDU 0114
0201	Albert Gardner MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 0114
	Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	
0301	Ann Battle MW 11:00am - 12:15pm	Seats (Total: 25) TWS 0207
	Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	
0401	Jennie Lee-Kim M 9:00am - 11:45am	Seats (Total: 30) HBK 0105
	Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P.	

EDHD419A **Human Development and Learning in School Settings; Infancy and Preschool**

EDHD419A *(PermReq)* **Human Development and Learning in School Settings: Infancy and Preschool; (3 credits)** Grade Method: REG/AUD.

0101	Brenda Jones Harden Tu 1:00pm - 4:00pm	Seats (Total: 38) EDU 0306

EDHD420 **Cognitive Development and Learning**

EDHD420 Cognitive Development and Learning; (3 credits) Grade Method: REG. *Prerequisite: either EDHD300, EDHD320, EDHD411, PSYC355, PSYC341 or permission of department.* Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

0101	A Winters TuTh 11:00am - 12:15pm	Seats (Total: 35) EDU 1107

EDHD425 **Language Development and Reading Acquisition**

EDHD425 Language Development and Reading Acquisition; (3 credits) Grade Method: REG/AUD.
This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading. For Education Majors only.

0201	Megan Hurley TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 2111
0301	Min Wang W 1:00pm - 3:45pm	Seats (Total: 28) EDU 3236
0401	Donald Bolger MW 11:00am - 12:15pm	Seats (Total: 26) EDU 0212
0501	Min Wang M 1:00pm - 3:45pm	Seats (Total: 46) EDU 1121
0601	Meghan Parkinson Th 1:00pm - 4:00pm *This section is restricted to Early Childhood Education majors (0823L o 0823P).*	Seats (Total: 36) EDU 0306

EDHD426 **Cognition and Motivation in Reading: Reading in Content Areas I**

EDHD426 *(PermReq)* **Cognition and Motivation in Reading: Reading in Content Areas I; (3 credits)** Grade Method: REG.
Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified.

0201	Christopher Ascienzo Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 3236
0501	Amy Huque W 4:15pm - 7:00pm	Seats (Total: 26) EDU 3236
0601	Christopher Ellis Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 0114

EDHD427 **Constructing and Integrating the Early Childhood Curriculum**

EDHD427 *(PermReq)* **Constructing and Integrating the Early Childhood Curriculum; (3 credits)** Grade Method: REG.
Prerequisites: EDHD424, EDHD313, EDHD314, EDSP470. Corequisites: EDHD323, EDHD321, EDHD322, EDHD315, EDHD435. For early childhood majors only. Senior standing. Explores the world from the child's perspective and constructs curriculum based on cognition, learning, and children's experiences. The integrated curriculum is the overarching framework for this course. Includes field experience.

0101	Brenda Jones Harden M 1:30pm - 3:30pm Contact instructor or department for details.	Seats (Total: 36) EDU 3315

EDHD430 **Adolescent Violence**

EDHD430 Adolescent Violence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 or permission of department. Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

0101	Robert Marcus M 4:15pm - 7:00pm	Seats (Total: 40) EDU 3315

EDHD435 **Effective Components of the Early Childhood Classroom**

EDHD435 *(PermReq)* **Effective Components of the Early Childhood Classroom; (3 credits)** Grade Method: REG.
Prerequisites: EDHD314, EDHD424, EDHD419, EDHD313, EDHD314, EDSP470. Corequisites: EDHD427, EDHD321, EDHD322, EDHD323, EDHD315. For early childhood majors only. Senior standing. Explores three topics integral to effective, child-centered early childhood classrooms: assessment, classroom management and parent involvement. Includes field experience.

0101	Christy Tirrell-Corbin M 10:30am - 12:30pm Contact instructor or department for details.	Seats (Total: 36) EDU 3315

EDHD445 **Guidance of Young Children**

EDHD445 Guidance of Young Children; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC100 or permission of department. Practical aspects for helping and working with children, drawing on research, clinical studies, and observation. Implications for day care and other public issues.

0101	Allison Meisch Tu 6:00pm - 8:45pm	Seats (Total: 40) HBK 0103
0301	Megan Kelly MW 2:00pm - 3:15pm	Seats (Total: 40) TWS 0234

EDHD460 **Educational Psychology**

EDHD460 Educational Psychology; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC100 or permission of department. Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings. (May not be substituted for EDHD300 by students in professional teacher education programs.)

0101	Meghan Parkinson M 9:30am - 12:15pm	Seats (Total: 40) HBK 0103
0201	Daniel Dinsmore TuTh 2:00pm - 3:15pm	Seats (Total: 40) EDU 3315

EDHD489 **Field Experiences in Education**

EDHD489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

EDHD498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498M **Special Problems in Education; Child and Adolescent Relationships**

EDHD498M *(PermReq)* **Special Problems in Education: Child and Adolescent Relationships; (1-3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Kenneth Rubin Contact instructor or department for details.	Seats (Total: 15)

EDHD600 **Introduction to Human Development and Child Study**
Contact department for information to register for this course.

EDHD629 **Seminar for the Center for Children, Relationships, and Culture**

EDHD629 Seminar for the Center for Children, Relationships, and Culture; (1 credit) Grade Method: S-F.

0101	Geetha Ramani **Meets September 2, 2009 - December 11, 2009** W 11:45am - 2:15pm	Seats (Total: 20) EDU 3315

EDHD690 **History and Systems in Human Development**

EDHD690 History and Systems in Human Development; (3 credits) Grade Method: REG.
History of the field of human development; philosophical basis of major theoretical paradigms.

0101	Melanie Killen Th 1:00pm - 3:45pm	Seats (Total: 22) EDU 3236

EDHD692 **Cognitive Basis of Instruction**
Contact department for information to register for this course.

EDHD718 **Apprenticeship in College Teaching; Apprenticeship in College Teaching**

EDHD718 *(PermReq)* **Apprenticeship in College Teaching: Apprenticeship in College Teaching; (1 credit)** Grade Method: REG.

0101	Ann Battle Contact instructor or department for details.	Seats (Total: 10)

EDHD720 **Social Development and Socialization Processes**

EDHD720 Social Development and Socialization Processes; (3 credits) Grade Method: REG.
Formerly EDHD820. This course covers social development and socialization processes across the life-span. The course typically covers the following topics: parent-child relationships, peer relationships, moral development, social cognition, social competence, social motivation, self-regulation, and cultural influences on development. This is core doctoral course. This course can be used in place of EDHD 602.

0101	Kenneth Rubin W 2:15pm - 5:15pm	Seats (Total: 18) EDU 3315

EDHD721 **Cognitive Development and Learning: An Introduction**

EDHD721 Cognitive Development and Learning: An Introduction; (3 credits) Grade Method: REG.
3 semester hours. Introductory survey into contemporary theory and research in cognitive development; applications to classroom learning.

0101	Geetha Ramani	Seats (Total: 20)
	Tu 1:00pm - 3:45pm	EDU 0202

EDHD760 **Advanced Educational Psychology**

EDHD760 Advanced Educational Psychology; (3 credits) Grade Method: REG.
Prerequisite: prior course in educational psychology, learning, or cognition, or permission of department. Appplication of psychology to learning processes and theories. Individual differences, measurement, motivation, and intelligence.

0101	Nathan Hall	Seats (Total: 16)
	Th 4:15pm - 7:00pm	EDU 3315

EDHD775 **Psychophysiological Processes in Human Development I**

EDHD775 Psychophysiological Processes in Human Development I; (3 credits) Grade Method: REG.
Prerequisite: EDHD 601 or permission of department. Formerly EDHD810. Course focuses on the biological bases of human behavior including physiological processes which have an impact on human development.

0101	Nathan Fox	Seats (Total: 17)
	M 1:00pm - 3:45pm	EDU 1108

EDHD779W **Special Topics in Human Development; Achievement Motivation**
Contact department for information to register for this course.

EDHD789 **Internship in Human Development**

EDHD789 *(PermReq)* **Internship in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD798 **Special Problems in Education**

EDHD798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

EDHD799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD878 **Team Research in Human Development**

EDHD878 Team Research in Human Development; (3 credits) Grade Method: REG.

0101	Judith Torney-Purta	Seats (Total: 10)
	Tu 4:15pm - 7:00pm	EDU 1108

EDHD888 **Apprenticeship in Education**

EDHD888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD889 **Internship in Education**

EDHD889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

EDHD898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

EDHD899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed — Fall 2009

EDHI338A **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; People of Color/White People**

EDHI338A *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: People of Color/White People; (1 credit)** Grade Method: REG/P-F/AUD.
Please click here for further course information.

0101	Alison Mojto, Jabari Bodrick, Mark Brimhall **Meets September 1, 2009 - October 13, 2009** Tu 4:30pm - 6:30pm	Seats (Total: 16) SHR 0106
0201	Alison Mojto, Mark Brimhall, Jessica McKechnie **Meets October 18, 2009 - December 11, 2009** Th 4:30pm - 6:30pm	Seats (Total: 16) SHR 0106

EDHI338C **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Men/Women**

EDHI338C *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Men/Women; (1 credit)** Grade Method: REG/P-F/AUD.
Please click here for further course information.

0101	Mark Brimhall, Gabriel Atchison, Dario Middleton **Meets August 31, 2009 - October 12, 2009** M 4:00pm - 6:00pm	Seats (Total: 16) SHR 0106
0201	Maria Berbery, John Jackson, Stacey Gaenzle, Mark Brimhall **Meets October 18, 2009 - December 11, 2009** W 4:00pm - 6:00pm	Seats (Total: 16) SHR 0106

EDHI338G **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Interfaith/Secular**

EDHI338G *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Interfaith/Secular; (1 credit)** Grade Method: REG/P-F/AUD.
Please click here for further course information.

0101	Mark Brimhall, Holly Ulmer, Pragati Godbole **Meets October 20, 2009 - December 8, 2009** Tu 4:30pm - 6:30pm	Seats (Total: 16) SHR 0106

EDHI338K **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Socioeconomic Class**

EDHI338K *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Socioeconomic Class; (1 credit)** Grade Method: REG/P-F/AUD.
Please click here for further course information.

0101	Mark Brimhall, Liza Briggs, Dai-An Tran **Meets September 2, 2009 - October 14, 2009** W 4:00pm - 6:00pm	Seats (Total: 16) SHR 0106

EDHI338N **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; LGBT/Heterosexual**

EDHI338N *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: LGBT/Heterosexual; (1 credit)** Grade Method: REG/P-F/AUD. Please click here for further course information.

0101	Mark Brimhall, Erin McClure, James Carlough **Meets September 3, 2009 - October 15, 2009** Th 4:30pm - 6:30pm	Seats (Total: 20) SHR 0106

EDHI338P **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Emergent Theme**

EDHI338P *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Emergent Theme; (1 credit)** Grade Method: REG/P-F/AUD. Please click here for further course information.

0101	Elke Chen, Mark Brimhall, Nichole Howe, Mary Graham-Fisher **Meets October 19, 2009 - December 7, 2009** M 4:30pm - 6:30pm	Seats (Total: 20) SHR 0106

EDHI488A **Special Topics in Education Policy and Administration; Education for Global Peace**

EDHI488A Special Topics in Education Policy and Administration: Education for Global Peace; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDHI681.

0101	Jing Lin Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDHI489 **Field Experiences in Education**

EDHI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

EDHI498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI605 **Comparative Education**

EDHI605 Comparative Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI605, EDPL605, or EDPS605. Formerly EDPL605. Analyzes and compares leading issues in education in various countries of the world, particularly as they relate to crucial problems in American education.

0101	Nelly Stromquist	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 0202

EDHI606 **Political Economy of Education in a Global Context**

EDHI606 Political Economy of Education in a Global Context; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed EDPL788Q in 2001 through 2004. Credit will be granted for only one of the following: EDHI606, EDPL606, or EDPS606. Formerly EDPL606. Examination of alternative economics perspectives and their implications for education policy and practice internationally, from local to global levels. The connection of education to issues of development, inequality, poverty, gender, and race will be discussed.

0101	Steven Klees	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2102

EDHI640 **Introduction to Educational Leadership**

EDHI640 Introduction to Educational Leadership; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI640, EDPL640, or EDPS640. Formerly EDPL640. The focus of this course is the analysis of the role of education administrators/leaders in the social, political, and legal contexts of schools. Also examines the role of leadership in school improvement.

0101	Nelson McLeod W 4:15pm - 7:00pm	Seats (Total: 20) EDU 1315

EDHI641 **Planning and Goal Setting In Educational Organizations**

EDHI641 Planning and Goal Setting In Educational Organizations; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI641, EDPL641, or EDPS641. Formerly EDPL641. Essential aspects of planning for educational organizations addressed through case studies in instructional programming, community involvement, fiscal and physical planning.

0101	Thomas Davis Th 7:00pm - 9:45pm	Seats (Total: 20) EDU 2101

EDHI646 **Leading Instructional Excellence**

EDHI646 Leading Instructional Excellence; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDHI/EDPL/EDPS645 or permission of instructor. Credit will be granted for only one of the following: EDHI646, EDPL646, or EDPS646. Formerly EDPL646. Leader's role in fostering high quality teaching and learning. Exploration of the relationship between curriculum instruction assessment and the organizational structure of K-12 public schooling. Development and assessment of frameworks for understanding instructional quality. Analysis of strategies for supporting teachers as they engage in curricular and professional development. Consideration of factors involved in creating and sustaining instructionally centered schools.

0101	Patricia Richardson Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 1107

EDHI650 **Professional Seminar in Higher and Adult Education**

EDHI650 Professional Seminar in Higher and Adult Education; (3 credits) Grade Method: S-F.
Credit will be granted for only one of the following: EDHI650, EDPL650, or EDPS650. Formerly EDPL650. Introduction to higher and adult education as a field of study. Origins, current dimensions and problems, and emerging issues. Field trips to state and national capitols, and involvement in professional conferences.

0101	Sharon Fries-Britt Th 1:00pm - 4:00pm	Seats (Total: 20) EDU 3233

EDHI652 **Higher Education in American Society**

EDHI652 Higher Education in American Society; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI652, EDPL652, or EDPS652. Formerly EDPL652. Examines the concepts of academic freedom, corporate autonomy and institutional accountability with emphasis on twentieth century relationships between higher education and government in the United States.

0101	Alberto Cabrera M 7:00pm - 9:45pm	Seats (Total: 20) EDU 1107

EDHI660 **Retention Theories and the Impact of College**

EDHI660 Retention Theories and the Impact of College; (3 credits) Grade Method: REG.

0101	Sharon Fries-Britt Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 0202

EDHI664 **The College Experience**

EDHI664 The College Experience; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. For EDHI, EDPL, and EDPS majors only. Credit will be granted for only one of the following: EDHI664, EDPL664, or EDPS664. Formerly EDPL664. Designed to provide students with an overview of the research and scholarship on two of the major stakeholders in higher education -- students and faculty. Examines the educational experiences of college students in and out of the classroom in higher education in the United States by focusing on what students learn and the different collegiate experiences that influence their learning.

0101	Alberto Cabrera W 4:15pm - 7:00pm	Seats (Total: 20) EDU 1107

EDHI670 **Learning Communities**

EDHI670 Learning Communities; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI670, EDPL670, or EDPS670. Formerly EDPL670. Reviews contemporary research on student and teacher learning and schools as learning organizations. It aims to build students understanding of opportunities and challanges to implementing learning environments in various educational organizations. Readings, cases and assignments emphasize students' understanding of learning theories and their application to various organizational settings.

0101	Helene Cohen	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

EDHI672 **Modes of Inquiry in Education Research**

EDHI672 Modes of Inquiry in Education Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI672, EDPL672, or EDPS672. Formerly EDPL672. Introduction to modes of inquiry appropriate to research on issues and problems in education. Examination of qualitative, quantitative and mixed research methods and designs with a focus on related standards of quality.

0101	Steven Klees	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 3233

EDHI679 **Master's Seminar**

EDHI679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI681 **Education for Global Peace**

EDHI681 Education for Global Peace; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI681, EDPL681, or EDPS681. Formerly EDPL681. This course will examine how education can address the threats of violence and wars. It prepares students to teach about peace, nonviolence, and conflict resolution, and also to analyze and implement changes in school and society to contribute to peace and non-violence. Also offered as EDHI488A.

0101	Jing Lin Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDHI689 **Practicum In Educational Administration and Supervision**

EDHI689 Practicum In Educational Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.
Outreach Offering for EDSP Germany Program. Dept permission required.

Contact department for information to register for this course.

EDHI700 **Qualitative Research Methods in Education**

EDHI700 Qualitative Research Methods in Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI700, EDPL700, or EDPS700. Formerly EDPL700. Qualitative methods in education research, emphasizing the paradigms of philosophy, history, sociology, anthropology, and comparative studies as they rely on narrative rather than quantitative ordering of data.

0101	Hanne Mawhinney M 4:15pm - 7:00pm	Seats (Total: 16) EDU 3236

EDHI701 **Applied Research and Data Based Decision Making**

EDHI701 Applied Research and Data Based Decision Making; (3 credits) Grade Method: REG/AUD.
Prerequisite: Introductory knowledge of statistics. Credit will be granted for only one of the following: EDHI701, EDPL701, or EDPS701. Formerly EDPL701. Examines quantitative research methodologies and data systems used by ed ucation researchers and leaders to investigate, develop and improve scho ol policies and practices.

0101	Thomas Davis M 4:15pm - 7:00pm	Seats (Total: 20) EDU 1210B

EDHI750 **International Higher Education**

EDHI750 International Higher Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI750, EDPL750, or EDPS750. Formerly EDPL750. Comparison of higher education systems in several countries, and of the problems and issues in higher education faced by these countries.

0101	Noah Drezner	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 1107

EDHI752 **State Systems of Higher Education**

EDHI752 State Systems of Higher Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI752, EDPL752, or EDPS752. Formerly EDPL752. Creation, operation, alteration and evaluation of state systems of higher education. Campus autonomy versus public accountability. Analysis of topics such as state planning, budget and program review, and administration of student aid and federal programs.

0101	Marvin Titus	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 0306

EDHI754 **Higher Education Finance**

EDHI754 Higher Education Finance; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI754, EDPL754, or EDPS754. Formerly EDPL754. Economic perspectives on higher education. Ways of financing higher education and current finance issues. Higher education budget concepts and processes.

0101	Marvin Titus	Seats (Total: 20)
	W 7:00pm - 9:45pm	EDU 3233

EDHI788D **Special Topics in Education Policy and Administration; Philanthropy and Fundraising in Higher Education**

EDHI788D Special Topics in Education Policy and Administration: Philanthropy and Fundraising in Higher Education; (3 credits) Grade Method: REG/AUD.

0101	Noah Drezner	Seats (Total: 20)
	Tu 7:00pm - 9:45pm	EDU 1315

EDHI788N **Special Topics in Education Policy and Administration; Non Formal Education**

EDHI788N Special Topics in Education Policy and Administration: Non Formal Education; (3 credits) Grade Method: REG/AUD.

0101	Nelly Stromquist	Seats (Total: 20)
	Tu 7:00pm - 9:45pm	EDU 2102

EDHI789 **Doctoral Practicum in Administration and Supervision**

EDHI789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI798 **Special Problems in Education**

EDHI798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI799 **Master's Thesis Research**

EDHI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI889 **Internship in Education**

EDHI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

EDHI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

EDHI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation Fall 2009

EDMS410 **Classroom Assessment**

EDMS410 Classroom Assessment; (3 credits) Grade Method: REG/AUD.
Junior standing. Developing and using classroom assessments, including tests, performance assessments, rating scales, portfolios, observations and oral interactions; basic psychometric statistics; standard setting; grading; communicating assessment information; testing ethics; locating and evaluating measures; program evaluation and classroom research; assessments used for educational policy decisions.

0101	Kathryn Alvestad M 1:00pm - 3:45pm	Seats (Total: 30) EDU 0212
0201	Kathryn Alvestad Tu 1:00pm - 3:45pm	Seats (Total: 20) EDU 0212
0301	Kathryn Alvestad Class time/details on ELMs	Seats (Total: 10) ONLINE

EDMS451 **Introduction to Educational Statistics**

EDMS451 Introduction to Educational Statistics; (3 credits) Grade Method: REG/AUD.
Sophomore standing. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	George Macready, Nidhi Kohli TuTh 12:30pm - 1:45pm	Seats (Total: 40) BPS 1238
0201	Nidhi Kohli, George Macready MW 12:30pm - 1:45pm	Seats (Total: 40) ASY 3203
0301	Youngmi Cho MW 2:00pm - 3:15pm	Seats (Total: 40) ASY 3203
0401	Ari Houser TuTh 9:30am - 10:45am	Seats (Total: 40) SQH 1119

EDMS610 **Classroom Assessment and Evaluation**

EDMS610 Classroom Assessment and Evaluation; (3 credits) Grade Method: REG/AUD.
Develop the understandings and skills needed to validly, reliably, and accurately assess student learning and to provide focused leadership in the area of classroom assessment.

0101	Kathryn Alvestad Tu 1:00pm - 3:45pm	Seats (Total: 10) EDU 0212
IHP1	Jeffrey Davis Class time/details on ELMs	Seats (Total: 25) ONLINE
	Add section note: Outreach Offering, EDMS PBCAE Program. Contact aberman2@umd.edu with questions.	

EDMS622 **Theory and Practice of Standardized Testing**

EDMS622 Theory and Practice of Standardized Testing; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 45l; or EDMS 645. Principles of interpretation and evaluation of aptitude, achievement, and personal-social instruments; theory of reliability and validity; prediction and classification; norm- and criterion-referenced testing concepts.

IHP1	Carolyn Fidelman W 5:00pm - 7:00pm	Seats (Total: 14) Location: TBA
	Outreach Offerings of EDMS PBC Certificate Program. Deptartmental permission required. Contact aberman2@umd.edu.	

EDMS645 **Quantitative Research Methods I**

EDMS645 Quantitative Research Methods I; (3 credits) Grade Method: REG/AUD. Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0101	Andre Rupp Tu 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220
0201	George Macready W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220
OM11	George Macready **Meets September 3, 2009 - December 17, 2009** Th 4:15pm - 7:00pm Class time/details on ELMs *Outreach Offering. Departmental Permission Required.*	Seats (Total: 30) Location: TBA ONLINE

EDMS646 **Quantitative Research Methods II**

EDMS646 Quantitative Research Methods II; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS 645.* A second-level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

0101	Andre Rupp W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0114
0201	Hong Jiao Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 0212

EDMS647 **Introduction to Program Evaluation**

EDMS647 Introduction to Program Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 645. Overview of the program evaluation process; problems encountered in the practice of program evaluation. Offered fall only.

0101	Kathryn Alvestad W 4:15pm - 7:00pm	Seats (Total: 25) ASY 3203

EDMS651 **Applied Multiple Regression Analysis**

EDMS651 Applied Multiple Regression Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 646 or equivalent. Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; computer programs for regression analysis.

0101	Jeffrey Harring Tu 4:15pm - 7:00pm	Seats (Total: 40) EDU 3315

EDMS657 **Factor Analysis**

EDMS657 Factor Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 651. Development of models for factor analysis and their practical applications. Treatment of factor extraction, rotation, second-order factor analysis, and factor scores. Introduction to linear structural relations models.

0101	Gregory Hancock Th 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDMS738A **Seminar in Special Problems in Measurement; Foundations of Assessment**

EDMS738A Seminar in Special Problems in Measurement: Foundations of Assessment; (3 credits) Grade Method: REG/AUD.

0101	Robert Mislevy M 4:15pm - 7:00pm	Seats (Total: 15) EDU 0114

EDMS738P **Seminar in Special Problems in Measurement; Psychometrics in Large Scale Assessment**

EDMS738P Seminar in Special Problems in Measurement: Psychometrics in Large Scale Assessment; (3 credits) Grade Method: REG/AUD.

0101	Hong Jiao W 4:15pm - 7:00pm	Seats (Total: 15) EDU 0306

EDMS779 **Seminar in Applied Statistics; Mathematical Foundations and Simulation Techniques**

EDMS779 *(PermReq)* **Seminar in Applied Statistics: Mathematical Foundations and Simulation Techniques; (1-3 credits)** Grade Method: REG/AUD.

0101	Jeffrey Harring	Seats (Total: 15)
	M 4:15pm - 7:00pm	EDU 2102

EDMS798 **Special Problems in Education**

EDMS798 Special Problems in Education; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

EDMS799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

EDMS889 Internship in Measurement and Statistics; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

EDMS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

EDMS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS Education Policy Studies Fall 2009

EDPS210 **Historical and Philosophical Perspectives on Education**

EDPS210 Historical and Philosophical Perspectives on Education; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Credit will be granted for only one of the following: EDPL210 or EDPS210. Formerly EDPL210. An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

0101	Pam Splaine Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 1107
0201	Julie Zdanoski TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 1107
0301	Julie Zdanoski MW 4:15pm - 5:30pm	Seats (Total: 30) ASY 3207

EDPS210U **Historical and Philosophical Perspectives on Education**

EDPS210U *(PermReq)* **Historical and Philosophical Perspectives on Education; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Credit will be granted for only one of the following: EDPL210 or EDPS210. Formerly EDPL210.

0101	Pam Splaine Tu 4:15pm - 7:00pm	Seats (Total: 0) EDU 1107

EDPS301 **Foundations of Education**

EDPS301 Foundations of Education; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDPL301 or EDPS301. Formerly EDPL301. Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Dennis Herschbach MW 9:30am - 10:45am	Seats (Total: 30) EDU 1107
0201	Dennis Herschbach MW 11:00am - 12:15pm	Seats (Total: 30) EDU 1107
0301	Kasra Sotudeh MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 1107
0401	Gary Homana MW 4:15pm - 5:30pm	Seats (Total: 30) TWS 0234
0501	John Splaine Tu 10:00am - 12:45pm	Seats (Total: 30) EDU 3233
0601	Kasra Sotudeh TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 1107

EDPS488B **Special Topics in Education Policy and Administration; Complicating the Conversation of Basketball as a Life Course**

EDPS488B *(PermReq)* **Special Topics in Education Policy and Administration: Complicating the Conversation of Basketball as a Life Course; (3 credits)** Grade Method: REG/AUD.
Prerequisite: prior experience as a varsity basketball student-athlete in high school and/or college.

0101	Kasra Sotudeh TuTh 11:00am - 12:15pm	Seats (Total: 10) EDU 2102

EDPS488Q **Special Topics in Education Policy and Administration; History of Jewish Education**

EDPS488Q Special Topics in Education Policy and Administration: History of Jewish Education; (1-3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST428Q and JWST419Q.

0101	Eliyana Adler TuTh 9:30am - 10:45am	Seats (Total: 40) MMH 3418

EDPS489 **Field Experiences in Education**

EDPS489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS498 **Special Problems in Education**

EDPS498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS611 **History of Education in the United States**

EDPS611 History of Education in the United States; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI611, EDPL611, or EDPS611. Formerly EDPL611. A study of the origins and development of education in the United States, emphasizing the variety of interpretive and methodological concerns that define the field.

0101	Barbara Finkelstein	Seats (Total: 20)
	Th 7:00pm - 9:45pm	EDU 2102

EDPS612 **Philosophy of Education**

EDPS612 Philosophy of Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI612, EDPL612, or EDPS612. Formerly EDPL612. A study of the great educational philosophers and systems of thought affecting the development of modern education, with particular emphasis on recent scholarship on philosophical problems in education.

0101	John Splaine	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	JMZ 1215

EDPS615 **Economics of Education**

EDPS615 Economics of Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI615, EDPL615, or EDPS625. Formerly EDPL615. An introduction to the application of economic principles to the study of education policy. The course content revolves around issues of efficiency, equity, and freedom of choice. Specific attention is devoted to school finance litigation and reform, practices for raising and allocating resources, and education productivity issues.

0101	Edward Pacchetti M 1:00pm - 3:45pm	Seats (Total: 20) EDU 2101

EDPS620 **Education Policy Analysis**

EDPS620 Education Policy Analysis; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI620, EDPL620, or EDPS620. Formerly EDPL620. Policy making in education from planning to evaluation with emphasis on the identification of policy problems and the resources available to analysts through multi-disciplinary approaches. An introductory experience with education policy analysis.

0101	Betty Malen M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2101

EDPS624 **Culture in Education Policy and Practice**

EDPS624 Culture in Education Policy and Practice; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI624, EDPL624, or EDPS624. Formerly EDPL624. Focuses on the exploration of culture as it shapes and is reflected in education purposes, policies and practices. Participants will have opportunities to engage in cultural analysis, to analyze unfamiliar cultural habits and associations, to develop a focus for intensive comparative cultural study in education, and to integrate a field work component into their studies.

0101	Paul Akridge Tu 4:15pm - 7:00pm	Seats (Total: 20) HBK 0115

EDPS634 **The School Curriculum**

EDPS634 The School Curriculum; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: EDHI634, EDPL634, or EDPS634. Formerly EDPL634.* A foundations course embracing the curriculum as a whole from early childhood through adolescence, including a review of historical developments, an analysis of conditions affecting curriculum change, an examination of issues in curriculum making, and a consideration of current trends in curriculum design.

0101	Steven Selden	Seats (Total: 20)
	Tu 7:00pm - 9:45pm	EDU 2101

EDPS679 **Master's Seminar**

EDPS679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS730 **Seminar on Case Study Methods**

EDPS730 Seminar on Case Study Methods; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDHI/EDPL/EDPS690 or equivalent. Credit will be granted for only one of the following: EDHI730, EDPL730, EDPL788E, or EDPS730. Formerly EDPL730.* Conceived as both an analysis of case study methods and a laboroatory for applying course content to research topics or projects of interest to students, it addresses a range of conceptual, methodological, ethical, political, and logistical issues embedded in efforts to conduct thoughtful, "disciplined" case study research. Since this focuses on case study research, it may be particularly helpful to students who are exploring various approaches to research or who are contemplating using case study methods in their theises and/or dissertations.

0101	Betty Malen	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2101

EDPS736 **Phenomenological Inquiry II**

EDPS736 Phenomenological Inquiry II; (3 credits) Grade Method: REG.
Prerequisite: EDHI/EDPL/EDPS735. Credit will be granted for only one of the following: EDHI736, EDPL736 or EDPS736. Formerly EDPL736. This advanced course in phenomenological methodology provides an expanded philosophic and methodological grounding for conducting phenomenological research. Attention is given to the development of phenomenological projects through the process of phenomenological writing. It is especially relevant for persons interested in the study of lived meanings in the domains of education, psychology, counseling, the health sciences and related academic and professional fields.

0101	Francine Hultgren Th 7:00pm - 9:45pm	Seats (Total: 20) EDU 1107

EDPS738 **Scholarly Thought and Contemporary Curriculum**

EDPS738 Scholarly Thought and Contemporary Curriculum; (3 credits) Grade Method: REG/AUD.

0101	Francine Hultgren Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 2101

EDPS757 **College Teaching**

EDPS757 College Teaching; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI757, EDPL757, or EDPS757. Formerly EDPL757. Critical review of literature on teaching in higher education from conceptual and practical viewpoints. Designed for current and prospective adult educators. Focused on research and improvement of instruction.

0101	Steven Selden W 1:00pm - 3:45pm	Seats (Total: 20) EDU 2101

EDPS788G **Special Topics in Education Policy and Administration; Education, Society & Democracy: Critical Perspectives**

EDPS788G Special Topics in Education Policy and Administration: Education, Society & Democracy: Critical Perspectives; (3 credits) Grade Method: REG/AUD.

0101	Robert Croninger Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2101

EDPS789 **Doctoral Practicum in Administration and Supervision**

EDPS789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS798 **Special Problems in Education**

EDPS798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS799 **Master's Thesis Research**

EDPS799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS888 **Apprenticeship in Education**

EDPS888 Apprenticeship in Education; (3 credits) Grade Method: REG/AUD.

0101	Dennis Herschbach	Seats (Total: 10)
	Contact instructor or department for details.	

EDPS889 **Internship in Education**

EDPS889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

EDPS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

EDPS899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP Education, Special Fall 2009

EDSP210 **Introduction to Special Education**

EDSP210 Introduction to Special Education; (3 credits) Grade Method: REG/AUD. *Class Standing: Freshman or Sophomore or permission of department. Not open to students who have completed EDSP470. Credit will be granted for only one of the following: EDSP210 or EDSP470.* Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.

0101	Deirdre Barnwell, Carolyn Fink TuTh 11:00am - 12:15pm	Seats (Total: 35) EDU 1121
0201	Carolyn Fink, Deirdre Barnwell TuTh 12:30pm - 1:45pm	Seats (Total: 35) EDU 1121

EDSP376 **Fundamentals of Sign Language**

EDSP376 Fundamentals of Sign Language; (3 credits) Grade Method: REG/P-F/AUD.
Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Shannon Negussie MW 4:30pm - 5:45pm	Seats (Total: 27) TYD 0111
0201	Shannon Negussie MW 5:45pm - 7:00pm	Seats (Total: 27) TYD 0111

EDSP400 **Functional Assessment and Instruction in Special Education**

EDSP400 Functional Assessment and Instruction in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. 3 semester hours. Also offered as EDSP602. Credit will be granted for only one of the following: EDSP400 or EDSP602. Functional assessment procedures and instructional methods for students with severe disabilities from birth to adulthood. Practicum required. Placement arranged for those students not concurrently enrolled in EDSP 421, EDSP 434, or EDSP 452.

0101	Frances Kohl	Seats (Total: 40)
	W 4:15pm - 7:00pm	EDU 1121

EDSP402 **Field Placement: Severe Disabilities I**

EDSP402 Field Placement: Severe Disabilities I; (2-5 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisites: EDSP400 and EDSP404; or permission of department. Practicum experience in settings serving severely disabled individuals. Enrollment limited to those admitted to severely handicapped specialty area. Field placement for two to five half-days per week.

0101	Andrew Egel	Seats (Total: 10)
	Contact instructor or department for details.	

EDSP404 **Education of Students with Autism**

EDSP404 Education of Students with Autism; (3 credits) Grade Method: REG/AUD.
Pre- or corequisites: {EDSP400 and EDSP402} or permission of department. Also offered as EDSP604. Credit will be granted for only one of the following: EDSP404 or EDSP604. Characteristics, needs, assessment, and educational methods for students diagnosed as autistic.

0101	Andrew Egel	Seats (Total: 25)
	M 4:15pm - 7:00pm	EDU 1315

EDSP406 **Field Placement I**

EDSP406 Field Placement I; (1 credit) Grade Method: REG/AUD.
Restricted to students with the following major codes: EDSP, and 0808P. Credit will be granted for only one of the following: EDSP322 or EDSP406. Formerly EDSP322.
Practicum experience in special education.

0101	M Brown F 10:00am - 12:00pm Tu 8:00am - 1:00pm	Seats (Total: 15) EDU 1121 Location: TBA	 Lab
0201	M Brown F 10:00am - 12:00pm W 8:00am - 1:00pm	Seats (Total: 15) EDU 1121 Location: TBA	 Lab

EDSP413 **Behavior and Classroom Management in Special Education**

EDSP413 Behavior and Classroom Management in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP613. Credit will be granted for only one of the following: EDSP321, EDSP413, or EDSP613. Formerly EDSP321.
Use of applied behavior analysis for assessment of behavior and learning environments. Design of behavior and classroom management of students in special education.

0101	Paul Livelli TuTh 2:00pm - 3:15pm	Seats (Total: 28) EDU 1121
0201	Andrew Egel Tu 4:15pm - 7:00pm	Seats (Total: 28) EDU 1121

EDSP420 **Characteristics of Infants & Young Children: Early Childhood Special Education**

EDSP420 Characteristics of Infants & Young Children: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP626. Credit will be granted for only one of the following: EDSP420 or EDSP626. Focus on developmental, behavioral, and learning characteristics of infants and young children with and without disabilities. Practicum required. Placement arranged for students not concurrently enrolled in EDSP 421.

0101	Paula Beckman	Seats (Total: 24)	
	Th 4:15pm - 7:00pm	EDU 0202	

EDSP421 **Field Placement in Special Education: Early Childhood I**

EDSP421 Field Placement in Special Education: Early Childhood I; (4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in early childhood special education. Field experience I in early childhood special education. Students must reserve three half-days (8-1) for this experience.

0101	Paula Beckman	Seats (Total: 25)	
	F 10:30am - 12:00pm	EDU 0114	
	TuWTh 8:00am - 1:00pm	Location: TBA	Lab

EDSP422 **Curriculum and Instruction: Early Childhood Special Education**

EDSP422 Curriculum and Instruction: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP627. Credit will be granted for only one of the following: EDSP422 or EDSP627. Curriculum and instruction for young children with mild and moderate disabilities, preschool through primary grades.

0101	Joan Lieber	Seats (Total: 25)	
	Tu 4:15pm - 7:00pm	EDU 0206	

EDSP434 **Field Placement in Special Education: Secondary Middle I**

EDSP434 Field Placement in Special Education: Secondary Middle I; (4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in secondary middle special education. Field experience I in secondary middle special education.

0101	Paula Maccini	Seats (Total: 25)	
	F 10:30am - 12:00pm	EDU 3236	
	Tu 7:00am - 4:00pm	Location: TBA	Lab
	Th 7:00am - 1:00pm	Location: TBA	Lab

EDSP450 **Inclusive Practices in the Schools**

EDSP450 Inclusive Practices in the Schools; (3 credits) Grade Method: REG/AUD. *Also offered as EDSP606. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P.* Educational practices regarding inclusive education in the schools for students with and without disabilities. Also offered as EDSP606 (formerly EDSP788P). Credit will be granted for only one of the following: EDSP 450, EDSP606 or EDSP788P.

0101	Barbara Gruber	Seats (Total: 27)
	Tu 4:15pm - 7:00pm	PLS 1111

EDSP451 **Curriculum and Instruction: Elementary Special Education**

EDSP451 Curriculum and Instruction: Elementary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP652. Credit will be granted for only one of the following: EDSP451 or EDSP652. Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included.

0101	Susan De La Paz	Seats (Total: 26)
	Th 1:15pm - 4:00pm	EDU 2101

EDSP452 **Field Placement in Special Education: Elementary I**

EDSP452 Field Placement in Special Education: Elementary I; (4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Field experience I in elementary special education.

0101	Rebecca Silverman	Seats (Total: 25)	
	F 10:30am - 12:00pm	EDU 1315	
	TuWTh 8:00am - 1:00pm	Location: TBA	Lab

EDSP455 **Assessment in Elementary Special Education**

EDSP455 Assessment in Elementary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP654. Credit will be granted for only one of the following: EDSP455 or EDSP654. Focus on selection, administration, and interpretation of assessment tools and results for designing instruction and evaluating progress of elementary students in special education.

0101	Arden Sotomayor Tu 4:15pm - 7:00pm	Seats (Total: 25) PAC 1809

EDSP466 **Issues and Models of Instruction: Middle/Secondary Special Education**

EDSP466 Issues and Models of Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP664. Credit will be granted for only one of the following: EDSP466 or EDSP664. Issues, legislation, and service models in middle/secondary special education. Emphasis on career and vocational education, self-determination, and transition.

0101	Debra Neubert Th 1:15pm - 4:00pm	Seats (Total: 26) EDU 2102

EDSP470 **Introduction to Special Education**

EDSP470 Introduction to Special Education; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed EDSP210. Credit will be granted for only one of the following: EDSP210 or EDSP470. Designed to give an understanding of the needs of all types of exceptional children.

0101	Lenisa Joseph M 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121
0201	William Drakeford TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 0212
0301	Agnesanne Danehey W 4:15pm - 7:00pm	Seats (Total: 40) EDU 0212
0401	Heather Allcock Th 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121

EDSP477 **Curriculum, Assessment, and Instruction: Middle/Secondary Special Education**

EDSP477 Curriculum, Assessment, and Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/P-F/AUD.
For EDSP or 0808P majors only. Also offered as EDSP677. Credit will be granted for only one of the following: EDSP477 or EDSP677. Methods and assessment practices for effective instruction in middle and secondary content areas for students in special education.

0101	Paula Maccini	Seats (Total: 26)
	Tu 4:15pm - 7:00pm	EDU 0306

EDSP481 **Cultural Diversity and Disability**

EDSP481 Cultural Diversity and Disability; (3 credits) Grade Method: REG/AUD.
For 0808P majors only. Also offered as EDSP681. Credit will be granted for only one of the following: EDSP481, EDSP499C, EDSP678C, or EDSP681. Formerly EDSP499C. A study of diversity issues within special education, with attention to uses of race, culture, and disability as they pertain to teaching, learning, and social justice.

0101	Peter Leone	Seats (Total: 30)
	M 10:00am - 1:00pm	EDU 1121

EDSP482 **Literacy Approaches for At-Risk Adolescents**

EDSP482 Literacy Approaches for At-Risk Adolescents; (3 credits) Grade Method: REG/AUD.
Pre- or corequisite: EDHD426 or permission of department. Also offered as EDSP682. Credit will be granted for only one of the following: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly EDSP488R. Provides approaches to teaching reading in the content areas for secondary students with disabilities.

0101	Agnesanne Danehey	Seats (Total: 24)
	M 4:15pm - 7:00pm	EDU 0212

EDSP484 **Reading and Writing Instruction in Special Education II**

EDSP484 Reading and Writing Instruction in Special Education II; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP416. For EDSP or 0808P majors only. Also offered as EDSP684. Credit will be granted for only one of the following: EDSP484 or EDSP684. Focus on the development of reading and writing programs for students in special education. Builds on foundations established in EDSP416.

0101	Rebecca Silverman Tu 1:15pm - 4:00pm	Seats (Total: 35) CCC 1111

EDSP487 **Family Partnerships in Special Education**

EDSP487 Family Partnerships in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP687. Credit will be granted for only one of the following: EDSP330, EDSP487, or EDSP687. Formerly EDSP330. Strategies for communicating and working with families of students with disabilities.

0101	Martha Moon W 1:15pm - 4:00pm	Seats (Total: 25) EDU 1121
0201	Martha Moon Th 4:15pm - 7:00pm	Seats (Total: 25) EDU 1315

EDSP489 **Field Experiences in Special Education**

EDSP489 Field Experiences in Special Education; (1-4 credits) Grade Method: REG/AUD.

0101	M Brown Contact instructor or department for details.	Seats (Total: 20)
0901	Peter Leone Contact instructor or department for details.	Seats (Total: 20)

EDSP498 **Special Problems in Special Education**

EDSP498 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP498B **Special Problems in Special Education; Career Development and Advising**

EDSP498B *(PermReq)* **Special Problems in Special Education: Career Development and Advising; (1-6 credits)** Grade Method: REG/P-F/AUD.
Limited to pre-special and special education majors.

0101	Dawn Molloy	Seats (Total: 15)
	F 12:00pm - 2:00pm	EDU 1315

EDSP499W **Workshops, Clinics, and Institutes in Special Education; School Violence and Disruption**

EDSP499W Workshops, Clinics, and Institutes in Special Education: School Violence and Disruption; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDSP499W or EDSP607.

0101	William Drakeford	Seats (Total: 28)
	Th 4:15pm - 7:00pm	KEY 0102

EDSP600 **Exceptional Children and Youth**

EDSP600 *(PermReq)* **Exceptional Children and Youth; (3 credits)** Grade Method: REG/AUD.
Prerequisite: 9 hours in special education and permission of department. Examines research relevant to the education of exceptional children and youth.

0101	Debra Neubert	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	SQH 1117

EDSP602 **Functional Assessment and Instruction in Special Education**

EDSP602 Functional Assessment and Instruction in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP400. Credit will be granted for only one of the following: EDSP400 or EDSP602. Functional assessment procedures and instructional methods for students with severe disabilities from birth to adulthood.

0101	Frances Kohl W 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121

EDSP604 **Education of Students with Autism**

EDSP604 Education of Students with Autism; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as EDSP 404. Credit will be granted for only one of the following: EDSP 404 or EDSP 604. Characteristics, needs, assessment, and educational methods for students diagnosed as autistic or having a pervasive development disorder.

0101	Andrew Egel M 4:15pm - 7:00pm	Seats (Total: 25) EDU 1315

EDSP606 **Advanced Study in Inclusive Practices in The Schools**

EDSP606 Advanced Study in Inclusive Practices in The Schools; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP450. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P. Formerly EDSP788P. Educational practices regarding inclusive education in the schools for students with and without disabilities. Formerly offered as EDSP788P. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P.

0101	Barbara Gruber Tu 4:15pm - 7:00pm	Seats (Total: 27) PLS 1111

EDSP607 **School Violence and Disruption**

EDSP607 School Violence and Disruption; (3 credits) Grade Method: REG.
3 semester hours. An examination of school violence and disruption from multiple perspectives. Societal, community, and individual factors are examined. Prevention strategies, interagency collaboration, and intervention techniques are addressed. Credit will be granted for only one of the following: EDSP499W or EDSP607.

0101	William Drakeford Th 4:15pm - 7:00pm	Seats (Total: 28) KEY 0102

EDSP613 **Behavior and Classroom Management in Special Education**

EDSP613 Behavior and Classroom Management in Special Education; (3 credits) Grade Method: REG.
For EDSP majors only or permission of instructor. Also offered as EDSP 413. Credit will be granted for only one of the following: EDSP 413 or EDSP 613. Applied behavior analysis for assessment of behavior and learning environments. Behavior and classroom management strategies for students in special education.

0101	Paul Livelli TuTh 2:00pm - 3:15pm	Seats (Total: 28) EDU 1121
0201	Andrew Egel Tu 4:15pm - 7:00pm	Seats (Total: 28) EDU 1121

EDSP626 **Characteristics of Infants and Young Children: Early Childhood Special Education**

EDSP626 Characteristics of Infants and Young Children: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP420. Credit will be granted for only one of the following: EDSP420 or EDSP626. Focus on developmental, behavioral, and learning characteristics of infants and young children with and without disabilities. For EDSP majors only.

0101	Paula Beckman Th 4:15pm - 7:00pm	Seats (Total: 24) EDU 0202

EDSP627 **Curriculum and Instruction: Early Childhood Special Education**

EDSP627 Curriculum and Instruction: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP422. Credit will be granted for only one of the following: EDSP422 or EDSP627. Curriculum and instructor for young children with mild and moderate disabilities, preschool through primary grades. For EDSP majors only.

0101	Joan Lieber	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	EDU 0206

EDSP652 **Curriculum and Instruction: Elementary Special Education**

EDSP652 Curriculum and Instruction: Elementary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP451. Credit will be granted for only one of the following: EDSP451 or EDSP652. Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included. For EDSP majors only.

0101	Susan De La Paz	Seats (Total: 26)
	Th 1:15pm - 4:00pm	EDU 2101

EDSP654 **Assessment in Elementary Special Education**

EDSP654 Assessment in Elementary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP455. Credit will be granted for only one of the following: EDSP455 or EDSP 654. Focus on selection, administration, and interpretation of assessment tools and results for designing instruction and evaluating progress of elementary students in special education. For EDSP majors only.

0101	Arden Sotomayor	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	PAC 1809

EDSP664 **Issues and Models:Secondary/Middle Special Education**

EDSP664 Issues and Models:Secondary/Middle Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as EDSP 466. Credit will be granted for only one of the following: EDSP 466 or EDSP 664. Issues, legislation, and service models in secondary/middle special education. Emphasis on career and vocational education, self-determination, and transition.

0101	Debra Neubert	Seats (Total: 26)
	Th 1:15pm - 4:00pm	EDU 2102

EDSP675 **Legal and Policy Foundations of Special Education**

EDSP675 *(PermReq)* **Legal and Policy Foundations of Special Education; (3 credits)** Grade Method: REG.
Prerequisite: Permission of Instructor. Regulatory and statutory foundations for public policies addressing the education of children and youth with disabilities.

IHP1	Margaret McLaughlin	Seats (Total: 14)
	Meets September 11, 2009 - October 3, 2009	
	Contact instructor or department for details.	
	Outreach Offering, EDSP Germany Program, departmental permission requir ed.	

EDSP677 **Curriculum, Assessment, and Instruction: Middle/Secondary Special Education**

EDSP677 Curriculum, Assessment, and Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP477. Credit will be granted for only one of the following: EDSP477 or EDSP677. Methods and assessment practicies for effective instruction in middle and secondary content areas for students in special education. For EDSP majors only.

0101	Paula Maccini	Seats (Total: 26)
	Tu 4:15pm - 7:00pm	EDU 0306

EDSP678V **Seminar in Special Education; Introduction Services for Students with Autism Spectrum Disorders**
Contact department for information to register for this course.

EDSP681 **Seminar in Cultural Diversity and Disability**

EDSP681 Seminar in Cultural Diversity and Disability; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP481. Credit will be granted for only one of the following: EDSP481 or EDSP681. A study of diversity issues within special education, with attention to issues of race, culture, and disability as they pertain to teaching, learning, and social justice.

0101	Peter Leone M 10:00am - 1:00pm	Seats (Total: 30) EDU 1121

EDSP682 **Advanced Literacy Approaches for At-Risk Adolescents**

EDSP682 Advanced Literacy Approaches for At-Risk Adolescents; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP482. Credit will be granted for only one of the following: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly EDSP788R. Approaches to teaching reading in the content areas for secondary students with disabilities.

0101	Agnesanne Danehey M 4:15pm - 7:00pm	Seats (Total: 24) EDU 0212

EDSP684 **Reading and Writing Instruction in Special Education II**

EDSP684 Reading and Writing Instruction in Special Education II; (3 credits) Grade Method: REG.
Prerequisite: EDSP 616 or permission of department. Also offered as EDSP 484. Credit will be granted for only one of the following: EDSP 484 or EDSP 684. Development of effective reading and writing programs for students receiving special education services. Builds on the foundation established in EDSP 616.

0101	Rebecca Silverman Tu 1:15pm - 4:00pm	Seats (Total: 35) CCC 1111

EDSP687 **Family Partnerships in Special Education**

EDSP687 Family Partnerships in Special Education; (3 credits) Grade Method: REG.
For EDSP majors only. Also offered as EDSP 487. Credit will be granted for only one of the following: EDSP 487 or EDSP 687. Strategies for communicating and working with families of students with disabilities.

0101	Martha Moon W 1:15pm - 4:00pm	Seats (Total: 25) EDU 1121	
0201	Martha Moon Th 4:15pm - 7:00pm	Seats (Total: 25) EDU 1315	

EDSP691 **Graduate Internship in Special Education I: Early Childhood**

EDSP691 Graduate Internship in Special Education I: Early Childhood; (2-4 credits) Grade Method: REG/AUD.
For EDSP majors only. Students must reserve three half-days per week for internship in early childhood special education. Credit will be granted for only one of the following: EDSP431 and EDSP691. Formerly EDSP431. Internship I in early childhood special education. Students must reserve three half-days (8-1) for this experience.

0101	Joan Lieber F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 2101 Location: TBA	 Lab

EDSP692 **Graduate Internship in Special Education I: Elementary**

EDSP692 Graduate Internship in Special Education I: Elementary; (2-4 credits) Grade Method: REG/AUD.
For EDSP majors. Students must reserve three-half days per week for internship in elementary special education. Credit will be granted for only one of the following: EDSP456 or EDSP692. Formerly EDSP456. Internship I in elementary special education.

0101	Deborah Speece F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 2102 Location: TBA	 Lab

EDSP693 **Graduate Internship in Special Education I: Secondary Middle**

EDSP693 Graduate Internship in Special Education I: Sceondary Middle; (2-4 credits) Grade Method: REG/AUD.
For EDSP majors only. Students must reserve three half-days per week for internship in secondary middle special edcuation. Credit will be granted for only one of the following: EDSP436 or EDSP693. Formerly EDSP436. Internship I in secondary middle special education.

0101	William Drakeford	Seats (Total: 20)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 0206 Location: TBA	Lab

EDSP695 **Graduate Internship in Special Education II: Elementary**
Contact department for information to register for this course.

EDSP798 **Special Problems in Special Education**

EDSP798 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

EDSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP860 **Doctoral Research Seminar**

EDSP860 Doctoral Research Seminar; (3 credits) Grade Method: REG/AUD. Issues and procedures relevant to conducting and analyzing research in special education.

0101	Joan Lieber	Seats (Total: 15)	
	Th 4:15pm - 7:00pm	EDU 1304A	

EDSP872 **Theory and Empirical Design in Special Education Research**

EDSP872 *(PermReq)* **Theory and Empirical Design in Special Education Research; (3 credits)** Grade Method: REG/AUD.
For Doctorial Students only. Prerequisite: EDMS645 and EDMS646 or permission of department. Credit will be granted for only one of the following: EDSP672 or EDSP872. Formerly EDSP672. Design and evaluation of quantitative research in special education across disabilities and ages.

0101	Deborah Speece	Seats (Total: 15)
	M 4:15pm - 7:00pm	EDU 1304A

EDSP888 **Apprenticeship in Special Education**

EDSP888 *(PermReq)* **Apprenticeship in Special Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

EDSP888A Apprenticeship in Special Education: Apprenticeship in College Teaching; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP889 **Internship in Special Education**

EDSP889 *(PermReq)* **Internship in Special Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

EDSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

EDSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDUC Education Fall 2009

EDUC388 **Special Topics in Education; Guided Experience In College Teaching**

EDUC388 *(PermReq)* **Special Topics in Education: Guided Experience In College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Dawn Sherman Th 5:00pm - 7:00pm Contact instructor or department for details. *Relates to the standard UTA program and should be taken concurrently with EDCI498, section 6601 for one credit.*	Seats (Total: 30) ASY 3215
0201	Lindsay Knight Tu 3:00pm - 5:00pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 20) COL 3111
0202	Gerry Strumpf W 3:00pm - 5:00pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 20) COL 3114
0203	Laila Shishineh M 3:00pm - 5:00pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 20) COL 3114
0401	Sharon Vanwright M 4:00pm - 6:00pm Contact instructor or department for details. *Relates to the academic achievement program and should be taken concurrently with EDCI498, section 6601.*	Seats (Total: 20) MMH 2202

0501	Lani Yap, Stacy Woycheck	Seats (Total: 20)
	Tu 3:00pm - 4:50pm	KEY 0121
	Contact instructor or department for details.	
	Relates to the standard UTA program and is restricted to Life Science students only.	

EDUC388H **Special Topics in Education; Honors Synthesis Seminar**

EDUC388H *(PermReq)* **Special Topics in Education: Honors Synthesis Seminar; (2 credits)** Grade Method: REG.
Seminar restricted to students admitted to the College of Education Honors Program. For additional information contact Christy Corbin at her e-mail address, cc197@umail.umd.edu.

0101	Christy Tirrell-Corbin	Seats (Total: 20)
	M 4:15pm - 6:15pm	EDU 0206

EDUC499H **Honors Thesis**

EDUC499H *(PermReq)* **Honors Thesis; (1-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Course restricted to students admitted to College of Education honors program.

Contact department for information to register for this course.

ENAE Engineering, Aerospace Fall 2009

ENAE100 **The Aerospace Engineering Profession**

ENAE100 *(PermReq)* **The Aerospace Engineering Profession; (1 credit)** Grade Method: REG/P-F/AUD.
Recommended: ENES100 and MATH140. Overview of salient aspects of professional practice of Aerospace Engineering. Introduction to the range of technical expertise needed to succeed in the profession and the objectives of the various parts of the Aerospace Engineering program at UMCP in supporting students' efforts in gaining the required knowledge and skills. Familiarization with departmental faculty and their areas of research, creation of links with other students, professional society student chapters, and available resources. Discussion of ethical issues, business requirements, and their interactions with technical developments.

0101	William Fourney, Elaine Petro	Seats (Total: 150)
	Tu 12:30pm - 1:45pm	EGR 1202

ENAE283 **Introduction to Aerospace Systems**

ENAE283 Introduction to Aerospace Systems; (3 credits) Grade Method: REG.
Prerequisites: PHYS161, ENES102 and MATH141. Corequisites: PHYS260 and 261, formerly PHYS262. Formerly: ENAE281 and ENAE282. For ENAE majors only. Credit will be granted for only one of the following: ENAE281 and ENAE282 or ENAE283. Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.

0101	John Anderson	Seats (Total: 95)
	TuTh 9:30am - 10:45am	CSS 2324

ENAE283H **Introduction to Aerospace Systems**

ENAE283H *(PermReq)* **Introduction to Aerospace Systems; (3 credits)** Grade Method: REG.
Prerequisites: PHYS161, ENES102 and MATH141. Corequisites: PHYS260 and 261, formerly PHYS262. Formerly: ENAE281 and ENAE282. For ENAE majors only. Credit will be granted for only one of the following: ENAE281 and ENAE282 or ENAE283.

0101	Alison Flatau	Seats (Total: 25)
	TuTh 9:30am - 10:45am	EGR 0135

ENAE301 **Dynamics of Aerospace Systems**

ENAE301 Dynamics of Aerospace Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENAE202, ENAE283, ENES102, MATH241, MATH246, MATH461, PHYS270 and PHYS271. ENAE majors only or permission of department. Junior standing. Kinematics and dynamics of three dimensional motion of point masses and rigid bodies with introduction to more general systems. Primary emphasis on Newtonian methods. Practice in numerical solutions and computer animation of equations of motion using MATLAB.

0101	Derek Paley TuTh 12:30pm - 1:45pm F 1:00pm - 3:00pm	Seats (Total: 45) PLS 1140 PLS 1129	 Lab
0102	Derek Paley TuTh 12:30pm - 1:45pm F 3:00pm - 5:00pm	Seats (Total: 45) PLS 1140 PLS 1129	 Lab

ENAE311 **Aerodynamics I**

ENAE311 Aerodynamics I; (3 credits) Grade Method: REG.
Prerequisites: ENAE202, ENAE283, ENES220, MATH241, MATH246, MATH461, PHYS270, and PHYS271. Corequisite: ENME232 or ENME320. For ENAE majors only or permission of department. Junior standing. Formerly ENAE471. Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

0101	Ashish Nedungadi TuTh 9:30am - 10:45am	Seats (Total: 68) CHE 2110

ENAE311H **Aerodynamics I**

ENAE311H *(PermReq)* **Aerodynamics I; (3 credits)** Grade Method: REG/P-F.
Prerequisites: ENAE202, ENAE283, ENES220, MATH241, MATH246, MATH461, PHYS270, and PHYS271. Corequisite: ENME232 or ENME320. For ENAE majors only or permission of department. Junior standing. Formerly ENAE471.

0101	Christopher Cadou TuTh 9:30am - 10:45am	Seats (Total: 30) JMP 1109

ENAE362 **Aerospace Instrumentation and Experimentation**

ENAE362 Aerospace Instrumentation and Experimentation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE283 and MATH246. Junior standing. For ENAE majors only. Basic instrumentation electronics including DC electronics, AC electronics, semiconductors, electro-optics and digital electronics. Sensing devices used to carry out experiments in Aerospace Engineering includes metrology, machine tool measurements, bridge circuits, optical devices, and introduction to computer based data acquisition. Topics chosen to support measurements in aerodynamics, flight structures and flight control.

0101	Allen Winkelmann MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab
0102	Allen Winkelmann MW 1:00pm - 1:50pm Tu 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab
0103	Allen Winkelmann MW 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab
0104	Allen Winkelmann MW 1:00pm - 1:50pm Th 2:00pm - 5:00pm	Seats (Total: 20) CHE 2110 EGL 0123	 Lab

ENAE380 **Flight Software Systems**

ENAE380 Flight Software Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE202 and ENAE283. Junior standing. For ENAE majors only. Avionics using advanced sensor and computing technologies are at the heart of every modern Aerospace vehicle. Advanced software systems to improve cockpit safety and enable unmanned and deep-space missions. Object-oriented programming and software engineering concepts required to design and build complex flight software systems. Software validation, verification and real-time performance analysis to assess flight software system reliability and robustness. Human-machine interface design for piloted systems. Automatic onboard data acquisition and decision-making for unmanned air and space vehicles. Three hours of lecture and two hours of laboratory per week. Prerequisite: ENAE202 and ENAE283. Junior standing. For ENAE majors only.

0101	Anthony Banes MW 12:00pm - 12:50pm F 9:00am - 10:50am	Seats (Total: 48) JMP 3201 JMP 1116	 Lab
0102	Anthony Banes MW 12:00pm - 12:50pm F 11:00am - 12:50pm	Seats (Total: 42) JMP 3201 KEB 2111	 Lab

ENAE398H **Honors Research Project**

ENAE398H Honors Research Project; (1 credit) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE403 **Aircraft Flight Dynamics**

ENAE403 Aircraft Flight Dynamics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ENAE432 and ENAE414. ENAE majors only or permission of department.* Study of motion of aircraft, equations of motion, aerodynamic force representation, longitudinal and lateral motions, response to controls and to atmospheric disturbances, handling qualities criteria and other figures of merit.

0101	James Humbert TuTh 3:30pm - 4:45pm	Seats (Total: 50) CHM 1402

ENAE415 **Helicopter Theory**

ENAE415 Helicopter Theory; (3 credits) Grade Method: REG. *Prerequisite: ENAE414. For ENAE majors only.* Elementary exposition on the theory and practice of aerodynamics applied to helicopters and other rotary wing aircraft.

0101	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 15) ITV 1100

ENAE423 **Vibration and Aeroelasticity**

ENAE423 Vibration and Aeroelasticity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE324. ENAE majors only or permission of department.* Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.

0101	Sung Lee	Seats (Total: 60)
	MWF 11:00am - 11:50am	CHM 0119

ENAE423H **Vibration and Aeroelasticity**

ENAE423H Vibration and Aeroelasticity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE324. ENAE majors only or permission of department.*

0101	Norman Wereley	Seats (Total: 25)
	MWF 11:00am - 11:50am	CCC 1111

ENAE441 **Space Navigation and Guidance**

ENAE441 Space Navigation and Guidance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENAE432 and ENAE404. ENAE majors only or permission of department. Principles of navigation. Celestial, radio, and inertial navigation schemes. Navigational and guidance requirements for orbital, planetary, and atmospheric entry missions. Fundamentals of communications and information theory. Link budgets, antennas and telemetry systems.

0101	Liam Healy	Seats (Total: 40)
	TuTh 9:30am - 10:45am	EGR 2154

ENAE455 **Aircraft Propulsion and Power**

ENAE455 Aircraft Propulsion and Power; (3 credits) Grade Method: REG/P-F. *Prerequisite: ENAE311, ENAE414 and ENME232. ENAE majors only or permission of department.* Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of piston, turbojet, fanjet, and other variations of airbreathing aircraft power units.

0101	Mark Lewis	Seats (Total: 65)
	TuTh 12:30pm - 1:45pm	PLS 1130

ENAE457 **Space Propulsion and Power**

ENAE457 Space Propulsion and Power; (3 credits) Grade Method: REG/P-F. *Prerequisites: ENAE311, ENME232 and (PHYS270 and 271 {Formerly: PHYS263}). ENAE majors only or permission of department. Senior standing.* Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of rocket, ion, and other exoatmospheric power units.

0101	Raymond Sedwick	Seats (Total: 40)
	TuTh 2:00pm - 3:30pm	ANS 0412

ENAE471 **Aircraft Flight Testing**

ENAE471 Aircraft Flight Testing; (3 credits) Grade Method: REG. *Prerequisite: ENAE414;. Corequisite: ENAE403. For ENAE majors only.* Provides basic instruction to aircraft flight testing and demonstrates need for systematic, well-proven technique to allow for accurate airplane performance. Concepts of aerodynamics, airplane performance, and stability and control. Emphasis on single-engine general aviation type aircraft.

0101	John Leishman	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 2116

ENAE481 **Principles of Aircraft Design**

ENAE481 Principles of Aircraft Design; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ENAE324, ENAE362 and ENAE432. Corequisite: ENAE414. ENAE majors only or permission of department.* Aircraft design principles blending both synthesis and analysis. The iterative nature of the design process. Applied aerodynamics. Elements of aircraft performance calculation and optimization. Design of aircraft including payload, crew and avionics provisions, propulsion selection and sizing, aerodynamic configuration optimization, mass properties, stability and control characteristics, and vehicle subsystems. Individual student projects in aircraft design.

0101	Dominic Palumbo	Seats (Total: 65)
	MWF 2:00pm - 2:50pm	MCB 1207

ENAE483 **Principles of Space Systems Design**

ENAE483 Principles of Space Systems Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENAE324; ENAE432; ENAE362; and ENAE404. ENAE majors only or permission of department. Principles of space systems analysis and vehicle design. Launch vehicle performance analysis and optimization. Design of vehicle systems including avionics, power, propulsion, life support, human factors, structures, actuator and mechanisms, and thermal control. Design processes and design synthesis. Individual student projects in vehicle design.

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 38) ITV 1100
FS01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HT01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
TV01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

ENAE488A **Topics in Aerospace Engineering; Topics in Wind Tunnel Testing**

ENAE488A Topics in Aerospace Engineering: Topics in Wind Tunnel Testing; (3 credits) Grade Method: REG/P-F/AUD.
Prequisite: ENAE311 and ENAE362. For ENAE majors only or permission of the department.

0101	Allen Winkelmann MW 8:00am - 8:50am F 2:00pm - 5:00pm	Seats (Total: 12) EGR 0123 EGR 0123	 Lab

ENAE488Q **Topics in Aerospace Engineering; Multibody Dynamics**

ENAE488Q Topics in Aerospace Engineering: Multibody Dynamics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Roberto Celi	Seats (Total: 15)
	MW 2:00pm - 3:15pm	MTH 0104

ENAE499 **Elective Research**

ENAE499 *(PermReq)* **Elective Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE601 **Astrodynamics**

ENAE601 Astrodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENAE 404 and ENAE 441. Mathematics and applications of orbit theory, building upon the foundations developed in ENAE 404 and ENAE 441. Topics include two body orbits, solutions of Kepler's equation, the two-point boundary value problem, rendezvous techniques, and Encke's method.

0101	Brent Barbee	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	EGR 3114

ENAE631 **Helicopter Aerodynamics I**

ENAE631 *(PermReq)* **Helicopter Aerodynamics I; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENAE 311 and ENAE 414 or permission of both department and instructor. A history of rotary-wing aircraft, introduction to hovering theory, hovering and axial flight performance, factors affecting hovering and vertical flight performance, autorotation in vertical descent, concepts of blade motion and control, aerodynamics of forward flight, forward flight performance, operational envelope, and introduction to rotor acoustics. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	John Leishman	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	ITV 1100

FS01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HG01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SG01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
TV01	John Leishman TuTh 2:00pm - 3:15pm	Seats (Total: 5) ITV 1100

ENAE641 **Linear System Dynamics**

ENAE641 Linear System Dynamics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENAE 432.* Linear systems; state space, multi-input, multi-output models; eigenstructure; controllability, observability, singular value analysis; multivariable Nyquist condition; observer design; introduction to Kalman filtering. Full state feedback techniques including pole placement and LQR/LQG techniques; introduction to loop shaping and robustness.

0101	Robert Sanner TuTh 12:30pm - 1:45pm	Seats (Total: 25) EGR 2107
FS01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
HG01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
HT01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
SG01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)

SM01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)
TV01	Robert Sanner Contact instructor or department for details.	Seats (Total: 5)

ENAE651 **Smart Structures**

ENAE651 Smart Structures; (3 credits) Grade Method: REG/AUD.
Topics related to the analysis, design, and implementation of smart structures and systems: modeling of beams and plates with induced strain actuation; shape memory alloys; electro-rheological fluids; magnetostrictor and electrostricter actuators and fiber optic sensors. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 25) ITV 1100
FSO1	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
HG01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
HT01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
SG01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
SM01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
TV01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA

ENAE655 **Structural Dynamics**

ENAE655 Structural Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 452 or permission of department. Advanced principles of dynamics necessary for structural analysis; solutions of eigenvalue problems for discrete and continuous elastic systems, solutions to forced response boundary value problems by direct, modal, and transform methods.

0101	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 35) ITV 1111
FS01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HG01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HT01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SG01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 25) Location: TBA

ENAE656 **Aeroelasticity**

ENAE656 Aeroelasticity; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 655 or permission of department. Topics in aeroelasticity: wing divergence; aileron reversal; flexibility effects on aircraft stability derivatives; wing, empennage and aircraft flutter; panel flutter; aircraft gust response; and aeroservoelasticity of airplanes. Prerequisite: ENAE655 or permission of department. Topics in aeroelasticity: wing aileron reversal; flexibility effects on aircraft stability derivatives; wing, empennage and aircraft flutter; panel flutter; aircraft gust response; and aeroservoelasticity of airplanes.

0101	David Haas F 2:00pm - 4:45pm	Seats (Total: 20) ITV 1100

FS01	David Haas F 2:00pm - 4:45pm	Seats (Total: 5) Location: TBA
HG01	David Haas F 2:00pm - 4:45pm	Seats (Total: 5) Location: TBA
HT01	David Haas F 2:00pm - 4:45pm	Seats (Total: 5) Location: TBA
SG01	David Haas F 2:00pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	David Haas F 2:00pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	David Haas F 2:00pm - 4:45pm	Seats (Total: 10) ITV 1100

ENAE661 **Advanced Propulsion I**

ENAE661 *(PermReq)* **Advanced Propulsion I; (3 credits)** Grade Method: REG/AUD. *Prerequisites: ENAE 455; and ENAE 457.* Special problems of thermodynamics and dynamics of aircraft power plants; jet, rocket and ramjet engines. Plasma, ion and nuclear propulsion for space vehicles.

0101	Kenneth Yu TuTh 2:00pm - 3:15pm	Seats (Total: 20) EGR 3111

ENAE684 **Computational Fluid Dynamics I**

ENAE684 Computational Fluid Dynamics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Partial differential equations applied to flow modelling, fundamental numerical techniques for the solution of these equations, elliptic, parabolic, and hyperbolic equations, elements of finite difference solutions, explicit and implicit techniques. Applications to fundamental flow problems.

0101	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 35) EGR 2103

FS01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HG01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HT01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SG01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SM01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
TV01	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

ENAE692 **Introduction to Space Robotics**

ENAE692 Introduction to Space Robotics; (3 credits) Grade Method: REG/AUD. Analysis techniques for manipulator kinematics and dynamics. DH parameters, serial and parallel manipulators, approaches to redundancy. Applications of robots to space operations, including manipulators on free-flying bases, satellite servicing, and planetary surface mobility. Sensors, actuators, and mechanism design. Command and control with humans in the loop.

0101	Craig Carignan MW 5:00pm - 6:15pm	Seats (Total: 30) JMP 2202

ENAE696 **Spacecraft Thermal Design**

ENAE696 Spacecraft Thermal Design; (3 credits) Grade Method: REG/AUD. Thermal sources in space. Black-body radiation; absorptivity and emissivity; radiative thermal equilibrium. Mutually radiating plates, view angles, and interior conduction. Techniques of spacecraft thermal analysis; approaches to passive and active thermal control. Thermal sources in space. Black-body radiation; absorptivity and emissivity; radiative thermal equilibrium. Mutually radiating plates, view angles, and interior conduction. Techniques of spacecraft thermal analysis; approaches to passive and active thermal control.

0101	Eric Silk TuTh 6:30pm - 7:45pm	Seats (Total: 20) EGR 1110

ENAE788D **Selected Topics in Aerospace Engineering; Advanced Space Systems Design**

ENAE788D Selected Topics in Aerospace Engineering: Advanced Space Systems Design; (3 credits) Grade Method: REG/AUD.

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 20) ITV 1100
FS01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
HT01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SG01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA
TV01	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

ENAE788F **Selected Topics in Aerospace Engineering; Advanced Airbreathing Propulsion**

ENAE788F *(PermReq)* **Selected Topics in Aerospace Engineering: Advanced Airbreathing Propulsion; (3 credits)** Grade Method: REG/AUD.
Advanced air-breathing propulsion concepts and in-depth Treatment of various technical issues involving aircraft power plants. Topics will include special problems involving high-speed propulsion systems such as ramjets, scramjets, pulsed detonation engines, and combined cycle engines.

0101	Kenneth Yu TuTh 2:00pm - 3:15pm	Seats (Total: 15) MTH 0106

ENAE788K **Selected Topics in Aerospace Engineering; Estimation and Control of Stochastic Systems**

ENAE788K Selected Topics in Aerospace Engineering: Estimation and Control of Stochastic Systems; (1-3 credits) Grade Method: REG/AUD.

0101	Robert Sanner TuTh 3:30pm - 4:45pm	Seats (Total: 20) EGR 0135

ENAE788M **Selected Topics in Aerospace Engineering; Introduction to Morphing Aircraft**

ENAE788M Selected Topics in Aerospace Engineering: Introduction to Morphing Aircraft; (3 credits) Grade Method: REG/AUD.

0101	James Hubbard MWF 11:15am - 12:30pm	Seats (Total: 10) EAB 0307
HT01	James Hubbard MWF 11:15am - 12:30pm	Seats (Total: 5) Location: TBA
SM01	James Hubbard MWF 11:15am - 12:30pm	Seats (Total: 5) Location: TBA
TV01	James Hubbard MWF 11:15am - 12:30pm	Seats (Total: 15) EAB 0307

ENAE788Q **Selected Topics in Aerospace Engineering; Multibody Dynamics**

ENAE788Q Selected Topics in Aerospace Engineering: Multibody Dynamics; (3 credits) Grade Method: REG/AUD.

0101	Roberto Celi MW 2:00pm - 3:15pm	Seats (Total: 15) MTH 0104

ENAE799 **Master's Thesis Research**

ENAE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

ENAE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

ENAE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE Biological Resources Engineering Fall 2009

ENBE200 **Fundamentals of Agricultural Mechanics**

ENBE200 Fundamentals of Agricultural Mechanics; (3 credits) Grade Method: REG/P-F.
Formerly ENAG200. Study of hand tools and power shop equipment as they relate to mechanized agriculture, in tool fitting, plumbing, wood and metal working, welding, brazing, soldering, hot and cold sheet metal, electricity, construction and building materials, sketching, drawing and using plans for construction. Emphasis is upon the development of orderly and safe shop procedures.

0101	Roy Walls	Seats (Total: 20)	
	TuTh 9:00am - 9:50am	ANS 0504	
	TuTh 10:00am - 11:50am	ANS 0504	Lab
0201	Roy Walls	Seats (Total: 20)	
	TuTh 1:00pm - 1:50pm	ANS 0504	
	TuTh 2:00pm - 3:50pm	ANS 0504	Lab

ENBE489 **Special Problems in Biological Engineering**

ENBE489 *(PermReq)* **Special Problems in Biological Engineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE499 **Special Problems in Agricultural Engineering Technology**

ENBE499 *(PermReq)* **Special Problems in Agricultural Engineering Technology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE688 **Advanced Topics in Biological Engineering**

ENBE688 *(PermReq)* **Advanced Topics in Biological Engineering; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE699 **Special Problems in Biological Engineering**

ENBE699 *(PermReq)* **Special Problems in Biological Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE799 **Master's Thesis Research**

ENBE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE898 **Pre-Candidacy Research**

ENBE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE899 **Doctoral Dissertation Research**

ENBE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE Engineering, Civil Fall 2009

ENCE100 **Introduction to Civil and Environmental Engineering**

ENCE100 Introduction to Civil and Environmental Engineering; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

0101	Kaye Brubaker F 1:00pm - 1:50pm	Seats (Total: 100) BPS 1243

ENCE200 **Engineering Information Processing I**

ENCE200 *(PermReq)* **Engineering Information Processing I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH141, ENES100, ENES102 and permission of department. Credit will be granted for only one of the following: ENCE200 or ENCE202. Formerly ENCE202. Spreadsheet, computational and symbolic processing packages are introduced in the context of solving engineering problems, including systems of linear equations. Computer architecture, networks, Boolean algebra, databases and introductory programming skills.

0101	Mark Austin MWF 9:00am - 9:50am	Seats (Total: 40) CSI 2117
0201	Mark Austin MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 40) EGR 0135 EGR 1156

ENCE201 **Engineering Information Processing II**

ENCE201 *(PermReq)* **Engineering Information Processing II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE200 and permission of department. Credit will be granted for only one of the following: ENCE201 or ENCE203. Matrix algebra and numerical computing. Includes computing accuracy, solutions of systems of linear equations, root-finding, function approximation, and numerical integration. Additional computing material including data types and structures, object-based programming, event-based programming, and client-server computing. Numerical and computing techniques are taught in the context of solving engineering problems.

0101	Charles Schwartz MWF 2:00pm - 2:50pm	Seats (Total: 40) EGR 0135

ENCE215 **Applied Engineering Sciences**

ENCE215 *(PermReq)* **Applied Engineering Sciences; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135 and permission of department. Examination of fundamental and applied aspects of chemistry, biology, and geochemistry. Fundamental principles will be coupled with analytical and computational skills essential for addressing crucial processes on human impact on the environment and urban infrastructure. Applications to the development of new materials and technologies will be covered in case studies. Students should come out with an appreciation of how understanding the fundamental concepts could facilitate the development of technologies to mitigate human impact on the environment.

0101	Alba Torrents, Oliver Hao TuTh 11:00am - 12:15pm	Seats (Total: 38) EGR 1104
0102	Alba Torrents, Oliver Hao TuTh 11:00am - 12:15pm	Seats (Total: 38) EGR 0135

ENCE300 **Fundamentals of Engineering Materials**

ENCE300 *(PermReq)* **Fundamentals of Engineering Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications. Restricted to students in the College of Engineering.

0101	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 10:30am - 12:30pm	Seats (Total: 20) EGR 0110 EGL 0106A	 Lab
0102	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 12:30pm - 2:30pm	Seats (Total: 20) EGR 0110 EGL 0106A	 Lab
0201	Haejin Kim Tu 2:30pm - 4:30pm Th 2:30pm - 4:30pm	Seats (Total: 20) EGR 0110 EGL 0106A	 Lab
0202	Haejin Kim Tu 2:30pm - 4:30pm Th 4:30pm - 6:30pm	Seats (Total: 20) EGR 0110 EGL 0106A	 Lab

ENCE301 **Geo-Metrics and GIS in Civil Engineering**

ENCE301 *(PermReq)* **Geo-Metrics and GIS in Civil Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE200, ENCE201 and permission of department. The purpose is to have students develop skills in using GIS technology to solve a range of problems in Civil and Environmental Engineering. It begins with a rigorous unit on the basics of database organization and use. Then it presents GIS concepts emphasizing the linkage between a standard relational database and the spatially-referenced database underlying the GIS. Both raster and vector data models are presented and used in a variety of natural applications to Civil and Environmental Engineering. Students are also exposed to scripting which aids in the development of more elaborate analyses and reinforces object-oriented programming concepts learned in ENCE 200 and ENCE 201.

0101	Kaye Brubaker MWF 11:00am - 11:50am	Seats (Total: 35) EGR 0135
0102	Kaye Brubaker MWF 10:00am - 10:50am	Seats (Total: 35) EGR 0135

ENCE302 **Probability and Statistics for Civil and Environmental Engineers**

ENCE302 *(PermReq)* **Probability and Statistics for Civil and Environmental Engineers; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENCE201, MATH246, and permission of department. Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data. Restricted to students in the College of Engineering.

0101	Bilal Ayyub MWF 2:00pm - 2:50pm	Seats (Total: 55) CHM 0119

ENCE305 **Fundamentals of Engineering Fluids**

ENCE305 *(PermReq)* **Fundamentals of Engineering Fluids; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Credit will be granted for only one of the following: ENCE305 or ENCE330. Formerly ENCE330. The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

0101	Yaron Sternberg MWF 8:00am - 8:50am	Seats (Total: 30) EGR 1104
0102	Richard McCuen MWF 10:00am - 10:50am	Seats (Total: 30) EGR 1104

ENCE310 **Introduction to Environmental Engineering**

ENCE310 *(PermReq)* **Introduction to Environmental Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE215, PHYS260 (Formerly: PHYS262) and permission of department. Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

0101	Oliver Hao TuTh 8:00am - 9:15am	Seats (Total: 40) EGR 3106

ENCE320 **Introduction to Project Management**

ENCE320 *(PermReq)* **Introduction to Project Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. A course designed to expose students to the techniques of engineering project management and to develop analytical skills necessary on the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control. Restricted to students in the College of Engineering.

0101	Jimmie West	Seats (Total: 100)
	MW 4:00pm - 5:15pm	CHE 2108

ENCE340 **Fundamentals of Geotechnical Engineering**

ENCE340 *(PermReq)* **Fundamentals of Geotechnical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

0101	Ahmet Aydilek	Seats (Total: 55)
	TuTh 9:30am - 10:45am	PLS 1130

ENCE353 **Introduction to Structural Analysis**

ENCE353 *(PermReq)* **Introduction to Structural Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENES220, MATH246 and permission of department. The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses. Restricted to students in the College of Engineering.

0101	Yunfeng Zhang	Seats (Total: 45)
	MWF 9:00am - 9:50am	EGR 3106

ENCE360 **Analysis of Civil Engineering Systems**

ENCE360 *(PermReq)* **Analysis of Civil Engineering Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE201, MATH140 and permission of department. Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

0101	Ali Haghani	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	EGR 1108

ENCE370 **Introduction to Transportation Engineering and Planning**

ENCE370 *(PermReq)* **Introduction to Transportation Engineering and Planning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE201, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis. Restricted to students in the College of Engineering.

0101	Paul Schonfeld	Seats (Total: 45)
	MWF 1:00pm - 1:50pm	EGR 3106

ENCE411 **Environmental Engineering Science**

ENCE411 *(PermReq)* **Environmental Engineering Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE310 and permission of department. The basic physical, chemical and biological processes that occur in engineered and natural environmental systems will be discussed. Included will be presentation of parameters used to describe the quality of water, air and land. Measurement techniques will be discussed. A weekly lab will provide hands-on experience with environmental quality measurements and treatment techniques.

0101	Eric Seagren TuTh 11:00am - 11:50am F 10:00am - 1:00pm	Seats (Total: 13) EGR 0110 Location: TBA	Lab
0102	Eric Seagren TuTh 11:00am - 11:50am F 1:00pm - 4:00pm	Seats (Total: 13) EGR 0110 Location: TBA	Lab

ENCE420 **Selection and Utilization of Construction Equipment**

ENCE420 *(PermReq)* **Selection and Utilization of Construction Equipment; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE320 or equivalent; and permission of department. Senior standing. Construction equipment for excavation, hauling, lifting, structural assembly, paving, and allied functions. Fundamentals of equipment performance, productivity calculations, and cost management. Matching of construction tasks to appropriate construction equipment. Innovative technologies in equipment design and performance. Information technology and automation for construction equipment. Field demonstrations of earth-moving and lifting equipment.

0101	Miroslaw Skibniewski M 3:30pm - 6:00pm	Seats (Total: 42) EGR 1108

ENCE422 **Project Cost Accounting and Economics**

ENCE422 *(PermReq)* **Project Cost Accounting and Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENCE320 or equivalent; and permission of department. Effective project managers have complete command of their project costs. Reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for project performance measurement, net present value, depreciation, taxes, and earned value analysis.

0101	Qingbin Cui Th 5:00pm - 7:30pm	Seats (Total: 50) CSI 1121

ENCE423 **Project Planning, Scheduling and Control**

ENCE423 *(PermReq)* **Project Planning, Scheduling and Control; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENCE320 or equivalent; and permission of department. Students will learn the basics of project planning and scope development; developing implementation plans; creating work breakdown structures; scheduling fundamentals and the different methods of scheduling; when to schedule, why network schedules and the network diagram; scheduling calculations and the critical path; managing project risk; and the fundamentals of project control including basic control theory and how to control project cost, schedule and resources. Restricted to students in the College of Engineering.

0101	Kenneth O'Connell	Seats (Total: 50)
	Tu 5:00pm - 7:30pm	CSI 1121

ENCE432 **Ground Water Hydrology**

ENCE432 *(PermReq)* **Ground Water Hydrology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE 305 and permission of department. Concepts related to the development of the ground water resources, hydrology, hydrodynamics of flow through porous media, hydraulics of wells and basin-wide ground water development. Fundamentals of ground water pollution are introduced. Restricted to students in the College of Engineering.

0101	Yaron Sternberg	Seats (Total: 35)
	MWF 9:00am - 9:50am	EGR 2154

ENCE441 **Foundation Design**

ENCE441 *(PermReq)* **Foundation Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE340 and permission of department. Critical review of classical lateral earth pressure theories, analysis of retaining walls and reinforced earth walls, subsurface explorations, bearing capacity and settlement of shallow foundations, design of deep foundations that includes both pile foundations and drilled shafts. Restricted to students in the College of Engineering.

0101	Mohamed Aggour	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	EGR 1108

ENCE444 **Laboratory Characterization of Geomaterials**

ENCE444 *(PermReq)* **Laboratory Characterization of Geomaterials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE340 and permission of department. Review of major soil tests and their interpretation for engineering purposes. Engineering classification tests (Atterberg limits and grain size distribution), permeability, in-situ and lab density-moisture test, soil strength (CBR, unconfined compression, direct shear test and triaxial) and compressibility characteristics.

0101	Ahmet Aydilek	Seats (Total: 20)	
	Tu 12:30pm - 1:30pm	EGR 1110	
	W 1:00pm - 4:00pm	EGR 1110	Lab

ENCE454 **Design of Concrete Structures**

ENCE454 *(PermReq)* **Design of Concrete Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE353 and permission of department. Formerly ENCE451. Combined bending and compression, development and anchorage of reinforcement, deflections, design of slabs including one-way and two-way, design of footings, retaining walls, introduction to prestressed concrete, design of multi-story buildings.

0101	Amde Amde	Seats (Total: 51)
	MWF 11:00am - 11:50am	CHM 0128

ENCE466 **Design of Civil Engineering Systems**

ENCE466 *(PermReq)* **Design of Civil Engineering Systems; (3 credits)** Grade Method: REG/AUD. CORE Capstone (CS) Course.
Must be taken in the semester in which the student graduates. Prerequisite: permission of department. Senior standing. A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills. Restricted to students in the College of Engineering.

0101	Eric Seagren	Seats (Total: 35)
	Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	EGR 2154 EGR 0110

ENCE470 **Highway Engineering**

ENCE470 *(PermReq)* **Highway Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE302, ENCE370 and permission of department. Highway location and design, highway engineering economics, traffic engineering, traffic measurement devices and technologies. Includes discussion of technological advances in traffic flow and capacity, such as signal systems, corridor control, automatic driver information, incident detection and autonomous vehicle operation. Restricted to students in the College of Engineering.

0101	Gang-Len Chang	Seats (Total: 30)
	MWF 10:00am - 10:50am	EGR 0108

ENCE489 **Special Problems in Civil Engineering**

ENCE489 Special Problems in Civil Engineering; (1-4 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE601 **Program and Portfolio Management**

ENCE601 Program and Portfolio Management; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENCE601 or ENCE688F. Formerly ENCE688F. A view of managing projects from an organizational perspective will be presented. The principle areas of discussion will be strategic alignment, marshalling organizational assets through an enterprise project office, portfolio management, and program management. Using a case study approach, students will explore the importance of using organizational strategies to align projects, how to use an enterprise project office as a governance process, and apply practices to create portfolios and programs to leverage organizational assets. Principle topics will include establishing a governance process, project selection techniques, project portfolio methodology, and application of project practices to program management.

0101	Jimmie West Tu 3:30pm - 6:00pm	Seats (Total: 30) EGR 2103
HG01	Jimmie West Tu 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
HT01	Jimmie West Tu 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
PM01	Jimmie West Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Jimmie West Tu 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
SM01	Jimmie West Tu 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA

ENCE610 **Fundamentals of Structural Analysis**

ENCE610 Fundamentals of Structural Analysis; (3 credits) Grade Method: REG/AUD.
Cartesian tensor notation. Linear forms of the general equilibrium, compatability, and constitutive equations. The calculus of variations. The principles of virtual work and complementary virtual work. Self-adjoint problem formulations.

0101	Peter Chang TuTh 3:30pm - 4:45pm	Seats (Total: 25) EGR 3102

ENCE611 **Finite Element Methods**

ENCE611 Finite Element Methods; (3 credits) Grade Method: REG/AUD.
Formerly ENCE661. Basic principles and fundamental concepts of the finite element method. Consideration of geometric and material nonlinearities, convergence, mesh gradation and computational procedures in analysis. Applications to plane stress and plane strain, plates and shells, eigenvalue problems, axisymmetric stress analysis, and other problems in civil engineering.

0101	Amde Amde MW 3:30pm - 4:45pm	Seats (Total: 20) EGR 2154

ENCE621 **Uncertainty Modeling and Analysis**

ENCE621 Uncertainty Modeling and Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 620 or equivalent. Definition of engineering systems, knowledge levels using information science concepts as applied to engineering systems, sources and types of knowledge and ignorance, uncertainty sources and types for engineering systems, probability models, statistical models, fuzziness, fuzzy sets, fuzzy logic, fuzzy arithemetic, imprecise probabilities, evidence methods, uncertainty measures, uncertainty management, uncertainty reduction, applications of these analytical methods to engineering systems and in decision making.

0101	Bilal Ayyub	Seats (Total: 25)
	MW 5:00pm - 6:15pm	EGR 2154

ENCE626 **Web-based Project Management**

ENCE626 Web-based Project Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE662. The use of IT tools, in particular the Web, is increasingly becoming the primary instrument for conducting the day-to-day tasks of engineering project management. Traditional client-server based technologies and applications can now be replaced by a web-centric, collaborative, electronic workplace. This course examines the use of Internet and Intranet based project management in the context of collaboration, decision making and information exchange, and presents a systematic understanding of the principle issues in Web based tools- ease of use, efficient decision making, and cost effectiveness. The course will use project case histories as part of a team project.

0101	Miroslaw Skibniewski	Seats (Total: 30)
	Tu 3:30pm - 6:00pm	EGR 2107

ENCE627 **Project Risk Management**

ENCE627 Project Risk Management; (3 credits) Grade Method: REG.
Not open to students who have completed ENCE627 or ENCE688Q. Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

0101	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 30) EGR 2103
HG01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
HT01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
SG01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
SM01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA

ENCE630 **Environmental and Water Resource Systems I**

ENCE630 Environmental and Water Resource Systems I; (3 credits) Grade Method: REG/AUD.
Application of statistical and systems engineering techniques in the analysis of information necessary for the design or characterization of environmental or hydrologic processes; emphasis on the fundamental considerations that control the design of information collection programs, data interpretation, and the evolution of simulation models used to support the decision-making process.

0101	Richard McCuen MWF 11:00am - 11:50am	Seats (Total: 20) EGR 1102

ENCE637 **Biological Principles of Environmental Engineering**

ENCE637 Biological Principles of Environmental Engineering; (3 credits) Grade Method: REG/AUD.
An examination of biological principles directly affecting man and his environment, with particular emphasis on microbiological interactions in environmental engineering related to air, water and land systems; microbiology and biochemistry of aerobic and anaerobic treatment processes for aqueous wastes.

0101	Oliver Hao	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	EGR 2154

ENCE650 **Process Dynamics in Environmental Systems**

ENCE650 Process Dynamics in Environmental Systems; (3 credits) Grade Method: REG/AUD.
Formerly ENCE636. The fundamentals of heterogeneous equilibria, rates of environmental reactions, and flow and material transport or presented. Applications of these principles will be presented to small and large scale environmental problems involving liquid, gas, and solid phases. Both natural and engineered environmental systems will be examined.

0101	Allen Davis	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CHE 2116

ENCE651 **Chemistry of Natural Waters**

ENCE651 Chemistry of Natural Waters; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENCE 633 or ENCE 651. Formerly ENCE633. Application of principles from chemical thermodynamics and kinetics to the study and interpretation of the chemical composition of natural waters is rationalized by considering metal ion solubility controls, pH, carbonate equilibria, adsorption reactions, redox reactions and the kinetics of oxygenation reactions which occur in natural water environments.

0101	Alba Torrents	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	EGR 0108

ENCE661 **Project Cost Accounting and Finance**

ENCE661 Project Cost Accounting and Finance; (3 credits) Grade Method: REG/AUD.

This course reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for how projects are financed and the potential impact financing has on the projects; and a framework for evaluating PC based systems and what resources are needed for an effective project cost system.

0101	James Myers **Meets September 2, 2009 - December 11, 2009** W 3:30pm - 6:10pm	Seats (Total: 58) EGR 2103
FS01	James Myers **Meets September 2, 2009 - December 11, 2009** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA
HG01	James Myers **Meets September 2, 2009 - December 11, 2009** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA
HT01	James Myers **Meets September 2, 2009 - December 11, 2009** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA
SG01	James Myers **Meets September 2, 2009 - December 11, 2009** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA
SM01	James Myers **Meets September 2, 2009 - December 11, 2009** W 3:30pm - 6:10pm	Seats (Total: 5) Location: TBA

ENCE662 Introduction to Project Management

ENCE662 Introduction to Project Management; (3 credits) Grade Method: REG/AUD.

Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

0101	Farshad Abedinisohi, Man Cheung, John Cable M 6:00pm - 8:40pm	Seats (Total: 60) EGR 2103
FS01	Man Cheung, John Cable M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
HG01	Farshad Abedinisohi, Man Cheung, John Cable M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
HT01	John Cable, Man Cheung, Farshad Abedinisohi M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
PM01	Man Cheung, Farshad Abedinisohi, John Cable **Meets August 31, 2009 - December 8, 2009** Class time/details on ELMs *Click here for more course information.*	Seats (Total: 36) ONLINE
SG01	Farshad Abedinisohi, John Cable, Man Cheung M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SM01	Man Cheung, John Cable, Farshad Abedinisohi M 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA

ENCE664 **Legal Aspects of Engineering Design and Construction**

ENCE664 Legal Aspects of Engineering Design and Construction; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction.

PM01	Mark Groff Class time/details on ELMs *Click here for more course information.*	Seats (Total: 35) ONLINE

ENCE665 **Management of Project Teams**

ENCE665 Management of Project Teams; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. For ENCE majors only. Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.

0101	Kathryn Britton, Jocelyn Davis Th 6:00pm - 8:30pm	Seats (Total: 35) EGR 2103
FS01	Kathryn Britton, Jocelyn Davis Th 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
HG01	Jocelyn Davis, Kathryn Britton Th 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
HT01	Jocelyn Davis, Kathryn Britton Th 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA

PM01	Jocelyn Davis, Kathryn Britton Class time/details on ELMs *Click here for more course information.*	Seats (Total: 30) ONLINE
SG01	Jocelyn Davis, Kathryn Britton Th 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
SM01	Jocelyn Davis, Kathryn Britton Th 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA

ENCE666 **Cost Engineering and Control**

ENCE666 Cost Engineering and Control; (3 credits) Grade Method: REG/AUD. Analytic techniques to estimate and control project costs, including site investigation, quantity takeoff, work analysis and bid preparation. Systematic cost control as related to job production and historical data.

0101	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 30) EGR 2103
FS01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
HG01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
HT01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
PM01	Neil Schulman **Meets September 2, 2009 - December 5, 2009** Class time/details on ELMs *Click here for more course information.*	Seats (Total: 30) ONLINE
SG01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
SM01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA

ENCE667 **Project Performance Measurement**

ENCE667 Project Performance Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examination of various techniques and models used to measure the performance of projects. Topics will include: Critical Path Method (CPM), Program Evaluation Review Technique (PERT), Gantt charts, project crashing, resource management, capital allocation, forecasting, hypothesis testing, regression analysis, learning curve analysis, goal programming, Monte Carlo simulation, the Analytic Hierarchy Process (AHP), Pareto optimality and tradeoff curves as well as basics in linear programming and uncertainity modeling.

PM01	Gregory Baecher	Seats (Total: 50)
	Meets September 2, 2009 - December 5, 2009	
	Class time/details on ELMs	ONLINE
	Click here for more course information.	

ENCE672 **Regional Transportation Planning**

ENCE672 Regional Transportation Planning; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 471 or permission of instructor. Factors involved and the components of the process for planning statewide and regional transportation systems, encompassing all modes. Transportation planning studies, statewide traffic models, investment models, programming and scheduling.

0101	Paul Schonfeld	Seats (Total: 35)
	Tu 5:00pm - 7:30pm	EGR 0108

ENCE677 **OR Models for Transportation Systems Analysis**

ENCE677 OR Models for Transportation Systems Analysis; (3 credits) Grade Method: REG/AUD.
Fundamental skills and concepts of the quantitative techniques of operations research including: mathematical modeling, linear programming, integer programming, network optimization (shortest paths, minimum spanning trees, minimum cost network flows, maximum flows), heuristics, and basics of probabilistic modeling. Emphasis on the application of these techniques to problems arising in transportation.

0101	Elise Miller-Hooks TuTh 12:30pm - 1:45pm	Seats (Total: 25) MTH 1308

ENCE688I **Advanced Topics in Civil Engineering; Discrete Choice Analysis**

ENCE688I Advanced Topics in Civil Engineering: Discrete Choice Analysis; (3 credits) Grade Method: REG/AUD.

0101	Cinzia Cirillo TuTh 3:00pm - 4:15pm	Seats (Total: 25) ARM 0103

ENCE688J **Advanced Topics in Civil Engineering; Contemporary Water Resources Management**

ENCE688J Advanced Topics in Civil Engineering: Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.
Also offered as PUAF798J. Credit will granted for one of the following: ENCE688J, ENPP620, or PUAF798J.

0101	Gerald Galloway M 5:00pm - 7:30pm	Seats (Total: 20) EGR 1102

ENCE688K **Advanced Topics in Civil Engineering; Flow in Open Channels and Conveyance Structures**

ENCE688K *(PermReq)* **Advanced Topics in Civil Engineering: Flow in Open Channels and Conveyance Structures; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENCE330 or eqivalent. Application of theoretical, experimental and computer simulation techniques in the design of open channels and conveyance structures including transitions, spillways, culverts, weirs, and bridge openings. Uniform and non-uniform flows under subcritical or supercritical conditions. Analysis of unsteady, spatially varied overland and channel flows. Occasional laboratories and demonstrations will emphasize techniques to improve understanding of complex flow phenomena and to provide design information.

0101	Kaye Brubaker MW 3:30pm - 4:45pm	Seats (Total: 20) EGR 1102

ENCE688P **Advanced Topics in Civil Engineering; Project Procurement Management**

ENCE688P Advanced Topics in Civil Engineering: Project Procurement Management; (3 credits) Grade Method: REG/AUD.

0101	Qingbin Cui W 6:00pm - 8:30pm	Seats (Total: 45) EGR 1104

ENCE688Q **Advanced Topics in Civil Engineering; Transportation Economics**

ENCE688Q Advanced Topics in Civil Engineering: Transportation Economics; (3 credits) Grade Method: REG/AUD.

0101	Lei Zhang TuTh 11:00am - 12:15pm	Seats (Total: 25) CSI 3118

ENCE688W **Advanced Topics in Civil Engineering; Experimental Methods in Structural Engineering**

ENCE688W Advanced Topics in Civil Engineering: Experimental Methods in Structural Engineering; (3 credits) Grade Method: REG/AUD.

0101	Yunfeng Zhang MW 2:00pm - 3:15pm	Seats (Total: 25) EGL 1202

ENCE689 **Seminar**

ENCE689 Seminar; (1-16 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE722 **Market, Spatial, and Traffic Equilibrium Models in Project Management**

ENCE722 Market, Spatial, and Traffic Equilibrium Models in Project Management; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENCE 654, ENCE 688M or ENCE 722. Formerly ENCE654. Introduction to equilibrium models involving economics and engineering. Topics include: review of relevent optimization theory; the nonlinear complementary problem (NCP) and variational inequality problem formats to solve equilibrium problems; review of relevant game theory, equilibrium models, and algorithims.

0101	Steven Gabriel M 3:00pm - 5:30pm	Seats (Total: 20) CSS 2428
PM01	Steven Gabriel Class time/details on ELMs	Seats (Total: 1) ONLINE

ENCE743 **Soil Dynamics and Earthquake Engineering**

ENCE743 Soil Dynamics and Earthquake Engineering; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENCE 642 or ENCE 743. Formerly ENCE642. Review of theory of vibration and wave propagation in elastic media. Field and laboratory methods for determining dynamic soil properties. Analysis and design of soil-foundation systems subjected to machinery generated vibrations and methods of foundation isolation. Earthquake causes, magnitude and intensity, seismic hazard evaluation, NEHRP site classification, site response analyses and ground motion amplification, liquefaction and response of earth structures.

0101	Mohamed Aggour Th 5:00pm - 7:30pm	Seats (Total: 25) EGR 1108

ENCE799 **Master's Thesis Research**

ENCE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

ENCE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

ENCE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCH Engineering, Chemical Fall 2009

ENCH215 **Chemical Engineering Analysis**

ENCH215 *(PermReq)* **Chemical Engineering Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM133 or CHEM113. Pre- or corequisite: MATH141. Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.

0101	Ganesh Sriram MWF 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 85) CHE 2110 CHE 2108	 Discussion

ENCH333 **Chemical Engineering Seminar**

ENCH333 *(PermReq)* **Chemical Engineering Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Junior standing. Oral and written reports on recent developments in chemical engineering and the process industries.

0101	William Weigand W 12:00pm - 12:50pm	Seats (Total: 15) CHE 2136
0102	William Weigand W 10:00am - 10:50am	Seats (Total: 15) EGR 3111

ENCH400 **Chemical Engineering Thermodynamics**

ENCH400 *(PermReq)* **Chemical Engineering Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS260 and 261 (Formerly: PHYS262), ENCH250 and ENCH300. Contemporary trends in chemical engineering thermodynamics that bridge the gap between fundamentals and applications. Thermodynamic analysis of non-ideal and structured systems; such as complex fluids, strongly fluctuating and nanoscale systems, dissipative systems, biosystems, and systems under extreme conditions.

0101	Raymond Adomaitis	Seats (Total: 70)	
	TuTh 9:30am - 10:45am	CHE 2108	
	F 12:00pm - 12:50pm	CHE 2108	Discussion

ENCH422 **Transport Processes I**

ENCH422 *(PermReq)* **Transport Processes I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH215 and ENCH250. Pre- or corequisites: MATH241 and MATH246. Principles of fluid dynamics as applied to model development and process design. Mass, momentum and energy conservation. Statics and surface tension. Equation of Continuity and Navier-Stokes Equation with application to laminar flow. Dimensional analysis. Macroscopic balances, Bernoulli Equation and friction factors with application to turbulent flow.

0101	Juchen Guo	Seats (Total: 75)	
	TuTh 2:00pm - 3:15pm	CHE 2110	
	F 1:00pm - 1:50pm	CHE 2110	Discussion

ENCH426 **Transport Processes III**

ENCH426 *(PermReq)* **Transport Processes III; (3 credits)** Grade Method: REG.
Prerequisites: ENCH300. Separation by staged operations. Rate dependent separation processes. Design applications in distillation, gas absorption, liquid extraction, drying, adsorption and ion exchange.

0201	William Weigand	Seats (Total: 70)	
	MWF 9:00am - 9:50am	CHE 2108	

ENCH437 **Chemical Engineering Laboratory**

ENCH437 *(PermReq)* **Chemical Engineering Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH424; ENCH426; ENCH440; and ENCH442. Application of chemical engineering process and unit operation principles in small-scale semi-commercial equipment. Data from experimental observations are used to evaluate performance and efficiency of operations. Emphasis on correct presentation of results in report form.

0101	Chunsheng Wang	Seats (Total: 21)	
	Th 1:00pm - 5:00pm	CHE 1145	Lab
	Th 11:00am - 12:15pm	CHE 2136	Discussion
0201	Chunsheng Wang	Seats (Total: 21)	
	Tu 1:00pm - 5:00pm	CHE 1145	Lab
	Tu 11:00am - 12:15pm	CHE 2136	Discussion

ENCH444 **Process Engineering Economics and Design I**

ENCH444 *(PermReq)* **Process Engineering Economics and Design I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH424; ENCH426 and ENCH440. Principles of chemical engineering economics and process design. Emphasis on equipment types, equipment design principles, capital cost estimation, operating costs, and profitability.

0101	William Weigand	Seats (Total: 70)
	MWF 2:00pm - 2:50pm	CHE 2110

ENCH468 **Research**

ENCH468 *(PermReq)* **Research; (1-3 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH468N **Research; Bionanotechnology**

ENCH468N Research: Bionanotechnology; (3 credits) Grade Method: REG/P-F/AUD.
Basic knowledge of molecular and cell biology/biochemistry desirable (BIOE 120, BSCI 105, BCHM 461 or equivalent).

0101	Srinivasa Raghavan TuTh 5:00pm - 6:15pm	Seats (Total: 30) CHE 2108

ENCH468P **Research; Molecular Modeling Methods**

ENCH468P *(PermReq)* **Research: Molecular Modeling Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCH 300.

0101	Jeffery Klauda MW 11:00am - 12:15pm	Seats (Total: 20) CHE 2145

ENCH482 **Biochemical Engineering**

ENCH482 *(PermReq)* **Biochemical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCH440. Introduction to biochemical and microbiological applications to commercial and engineering processes, including industrial fermentation, enzymology, ultrafiltration, food and pharmaceutical processing and resulting waste treatment. Enzyme kinetics, cell growth, energetics and mass transfer.

0101	Nam Sun Wang MWF 10:00am - 10:50am	Seats (Total: 30) CHE 2136

ENCH490 **Introduction to Polymer Science**

ENCH490 *(PermReq)* **Introduction to Polymer Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH424 and ENCH440. Also offered as ENMA495. Credit will be granted for only one of the following: ENCH490 or ENMA495. The elements of the chemistry, physics, processing methods, and engineering applications of polymers.

0101	Kyu Yong Choi TuTh 9:30am - 10:45am	Seats (Total: 30) CHE 2136

ENCH609 **Graduate Seminar**

ENCH609 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Francis Schork Tu 11:00am - 12:15pm	Seats (Total: 35) CHE 2110

ENCH610 **Chemical Engineering Thermodynamics**

ENCH610 Chemical Engineering Thermodynamics; (3 credits) Grade Method: REG/AUD.
Advanced application of the general thermodynamic methods to chemical engineering problems. First and second law consequences; estimation and correlation of thermodynamic properties; phase and chemical reaction equilibria.

0101	Mikhail Anisimov MW 4:00pm - 5:15pm	Seats (Total: 35) CHE 2136

ENCH620 **Methods of Engineering Analysis**

ENCH620 Methods of Engineering Analysis; (3 credits) Grade Method: REG/AUD. Application of selected mathematical techniques to the analysis and solution of engineering problems; included are the applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to such problems as unsteady heat transfer, transient phenomena in mass transfer operations, stagewise processes, chemical reactors, process control, and nuclear reactor physics.

0101	Panagiotis Dimitrakopoulos MW 2:30pm - 3:45pm	Seats (Total: 35) CHM 0124

ENCH648 **Special Problems in Chemical Engineering**

ENCH648 *(PermReq)* **Special Problems in Chemical Engineering; (1-16 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH648B **Special Problems in Chemical Engineering; Advanced Biochemical Engineering**

ENCH648B Special Problems in Chemical Engineering: Advanced Biochemical Engineering; (3 credits) Grade Method: REG.

0101	Nam Sun Wang	Seats (Total: 10)
	Contact instructor or department for details.	

ENCH648N **Special Problems in Chemical Engineering; Bionanotechnology: Physical Principles**

ENCH648N Special Problems in Chemical Engineering: Bionanotechnology: Physical Principles; (3 credits) Grade Method: REG/AUD.
Also offered as BIOE689N.

0101	Srinivasa Raghavan	Seats (Total: 25)
	Contact instructor or department for details.	

ENCH648P **Special Problems in Chemical Engineering; Molecular Modeling Methods**

ENCH648P Special Problems in Chemical Engineering: Molecular Modeling Methods; (1-16 credits) Grade Method: REG/AUD.

0101	Jeffery Klauda	Seats (Total: 20)
	MW 11:00am - 12:15pm	CHE 2145

ENCH799 **Master's Thesis Research**

ENCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

ENCH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research; Chemical Engineering**

ENCH899 *(PermReq)* **Doctoral Dissertation Research: Chemical Engineering; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education — Fall 2009

ENCO099 **Co-Op/Intern Work Experience**

ENCO099 *(PermReq)* **Co-Op/Intern Work Experience; (No credit)** Grade Method: S-F.
If dropping course, see Withdrawal and Refund of Fees - Special Refund Deadlines in the Financial Information section of the Schedule of Classes.

0101	Heidi Sauber, Veronica Perrigan Contact instructor or department for details.	Seats (Total: 200)	

ENEE Electrical & Computer Engineering — Fall 2009

ENEE140 **Introduction to Programming Concepts for Engineers**

ENEE140 *(PermReq)* **Introduction to Programming Concepts for Engineers; (2 credits)** Grade Method: REG.
For 09090 majors only. Prerequisite: permission of department. Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings. enee

0101	Gang Qu Tu 3:30pm - 4:45pm MW 9:00am - 9:50am	Seats (Total: 18) CSI 1115 AVW 2446	 Discussion
0102	Gang Qu Tu 3:30pm - 4:45pm MW 10:00am - 10:50am	Seats (Total: 18) CSI 1115 AVW 2446	 Discussion
0103	Gang Qu Tu 3:30pm - 4:45pm MW 11:00am - 11:50am	Seats (Total: 18) CSI 1115 AVW 2446	 Discussion
0104	Gang Qu Tu 3:30pm - 4:45pm MW 12:00pm - 12:50pm	Seats (Total: 18) CSI 1115 AVW 2446	 Discussion

0105	Gang Qu Tu 3:30pm - 4:45pm MW 1:00pm - 1:50pm	Seats (Total: 18) CSI 1115 AVW 2446	Discussion

ENEE150 **Intermediate Programming Concepts for Engineers**

ENEE150 *(PermReq)* **Intermediate Programming Concepts for Engineers; (3 credits)** Grade Method: REG.
For 09090 majors only. Departmental permission requires a score of 5 on the A Java AP exam, or a score of 4 or 5 on the AB Java AP exam, or satisfactory performance on the department's placement exam. Prerequisite: ENEE140 or permission of department. Corequisite: MATH140. Credit will be granted for only one of the following: ENEE114 or ENEE150. Formerly ENEE114. Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

0101	Shuvra Bhattacharyya TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 10) EGR 3106 AVW 2446	Discussion
0102	Shuvra Bhattacharyya TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 10) EGR 3106 AVW 2446	Discussion
0103	Shuvra Bhattacharyya TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 10) EGR 3106 AVW 2446	Discussion

ENEE200 **Social and Ethical Dimensions of Engineering Technology**

ENEE200 Social and Ethical Dimensions of Engineering Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Sophomore standing. Designed for both engineeering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology. Special emphasis is placed on the interplay of diverse and often conflicting personal and collective values in both the development and implementation of new technologies. These subjects touch on many areas of interest including ethics, politics, business, the law, and society.

0101	Wesley Lawson TuTh 2:00pm - 2:50pm W 2:00pm - 3:50pm	Seats (Total: 20) CSI 2117 CSI 3118	Discussion
0102	Wesley Lawson TuTh 2:00pm - 2:50pm F 11:00am - 12:50pm	Seats (Total: 20) CSI 2117 CSI 2118	Discussion
0103	Wesley Lawson TuTh 2:00pm - 2:50pm M 2:00pm - 3:50pm	Seats (Total: 20) CSI 2117 CSI 3118	Discussion
0104	Wesley Lawson TuTh 2:00pm - 2:50pm F 1:00pm - 2:50pm	Seats (Total: 20) CSI 2117 CSI 3118	Discussion

ENEE204 **Basic Circuit Theory**

ENEE204 *(PermReq)* **Basic Circuit Theory; (3 credits)** Grade Method: REG. *Prerequisite: PHYS260 and PHYS261 (Formerly: PHYS262). Corequisite: MATH246.* Basic circuit elements: resistors, capacitors, inductors, sources, mutual inductance and transformers; their I-V relationships. Kirchoff's Laws. DC and AC steady state analysis. Phasors, node and mesh analysis, superposition, theorems of Thevenin and Norton. Transient analysis for first- and second-order circuits. Engineering College only (04).

0101	Romel Gomez TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 13) KEB 1110 EGR 1110	Discussion
0102	Romel Gomez TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 13) KEB 1110 EGR 1110	Discussion
0103	Romel Gomez TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 13) KEB 1110 EGR 1110	Discussion
0104	Romel Gomez TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 13) KEB 1110 EGR 1110	Discussion

0106	Romel Gomez TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 13) KEB 1110 EGR 1110	 Discussion

ENEE206 **Fundamental Electric and Digital Circuit Laboratory**

ENEE206 *(PermReq)* **Fundamental Electric and Digital Circuit Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: ENEE244. Corequisite: ENEE204. For ENEE majors 09090 only. Credit will be granted for only one of the following: ENEE206 or ENEE305. Formerly ENEE305. Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.) Design, construction, and characterization of circuits containing passive elements, operational amplifiers, and digital integrated circuits. Transient and steady-state response. This course is a prerequisite to all upper level ENEE laboratories.

0101	Manoj Franklin W 9:00am - 9:50am M 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1356	 Lab
0102	Manoj Franklin W 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1356	 Lab
0105	Manoj Franklin W 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1356	 Lab
0109	Manoj Franklin W 9:00am - 9:50am Th 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1356	 Lab
0111	Manoj Franklin W 9:00am - 9:50am F 12:00pm - 3:00pm	Seats (Total: 12) CSI 1115 AVW 1356	 Lab

ENEE241 **Numerical Techniques in Engineering**

ENEE241 *(PermReq)* **Numerical Techniques in Engineering; (3 credits)** Grade Method: REG.
Prerequisite: MATH141; and {ENEE114 or CMSC106 or equivalent} Restricted to Engineering, Math and Physics majors only. Also offered as MATH 242. Credit will be granted for only one of the following: ENES240 or ENEE241 or MATH242. Formerly ENES240. Introduction to error analysis, conditioning and stability of algorithms. Numerical solution of nonlinear equations. Vector spaces and linear transformations. Matrix algebra. Gaussian elimination. LU factorization, matrix inversion. Similarity transformations and diagonalization. Iterative computation of eigenvalues. Interpolation; splines; data fitting. Numerical integration.

0101	Gilmer Blankenship MW 2:00pm - 3:15pm Tu 9:00am - 9:50am	Seats (Total: 18) JMP 3201 AVW 1442	Discussion
0102	Gilmer Blankenship MW 2:00pm - 3:15pm Tu 10:00am - 10:50am	Seats (Total: 18) JMP 3201 AVW 1442	Discussion
0103	Gilmer Blankenship MW 2:00pm - 3:15pm Tu 11:00am - 11:50am	Seats (Total: 18) JMP 3201 AVW 1442	Discussion
0201	Adrianos Papamarcou TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 18) JMP 3201 AVW 1442	Discussion
0202	Adrianos Papamarcou TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 18) JMP 3201 AVW 1442	Discussion
0203	Adrianos Papamarcou TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 18) JMP 3201 AVW 1442	Discussion

ENEE244 **Digital Logic Design**

ENEE244 *(PermReq)* **Digital Logic Design; (3 credits)** Grade Method: REG.
For 09090 or 09991 majors only. Sophomore standing and permission of department.
The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion. Engineering College only (04).

0102	Charles Silio MW 11:00am - 12:15pm Tu 10:00am - 10:50am	Seats (Total: 22) KEB 1110 EGR 3102	Discussion
0103	Charles Silio MW 11:00am - 12:15pm Tu 11:00am - 11:50am	Seats (Total: 22) KEB 1110 EGR 3102	Discussion
0201	Kazuo Nakajima TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 12) JMP 3201 EGR 3102	Discussion
0202	Kazuo Nakajima TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 12) JMP 3201 EGR 3114	Discussion
0203	Kazuo Nakajima TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 12) JMP 3201 EGR 3102	Discussion
0204	Kazuo Nakajima TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 12) JMP 3201 EGR 3114	Discussion
0205	Kazuo Nakajima TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 12) JMP 3201 CHE 2116	Discussion

ENEE303 **Analog and Digital Electronics**

ENEE303 *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C or higher in ENEE204 and all other 200-level ENEE courses. Corequisite: ENEE307. For ENEE and ENCP majors only and permission of department. Not open to students who have completed ENEE302 or ENEE312. Credit will be granted for only one of the following: ENEE302 or ENEE303. Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Manoj Franklin MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 30) EGR 2107 EGR 1104	 Discussion
0102	Manoj Franklin MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 30) EGR 2107 EGR 2116	 Discussion
0201	Martin Peckerar TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 27) KEB 1110 EGR 0108	 Discussion
0202	Martin Peckerar TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 30) KEB 1110 EGR 0108	 Discussion

ENEE303H **Analog and Digital Electronics**

ENEE303H *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: A grade of C or higher in ENEE204 and all other 200-level ENEE courses. Corequisite: ENEE307. For ENEE and ENCP majors only and permission of department. Not open to students who have completed ENEE302 or ENEE312. Credit will be granted for only one of the following: ENEE302 or ENEE303.

0101	Robert Newcomb TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 30) JMP 1109 EGR 2154	 Discussion

ENEE307 **Electronic Circuits Design Laboratory**

ENEE307 *(PermReq)* **Electronic Circuits Design Laboratory; (2 credits)** Grade Method: REG.

Prerequisite: A grade of C or higher in ENEE204 and all other 200-level ENEE courses. Corequisite: ENEE303. For ENEE and ENCP majors only and permission of department. Not open to students who have completed ENEE306. Credit will be granted for only one of the following: ENEE306 and ENEE307. Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 lectures.

0101	Neil Goldsman M 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0103	Neil Goldsman M 9:00am - 9:50am Tu 8:00am - 11:00am	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0104	Neil Goldsman M 9:00am - 9:50am Tu 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0105	Neil Goldsman M 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0106	Neil Goldsman M 9:00am - 9:50am W 8:00am - 11:00am	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0107	Neil Goldsman M 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0108	Neil Goldsman M 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab

0109	Neil Goldsman M 9:00am - 9:50am Th 8:00am - 11:00am	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0110	Neil Goldsman M 9:00am - 9:50am Th 11:00am - 2:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0111	Neil Goldsman M 9:00am - 9:50am Th 2:00pm - 5:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab
0112	Neil Goldsman M 9:00am - 9:50am F 12:00pm - 3:00pm	Seats (Total: 12) CSI 1115 AVW 1330	 Lab

ENEE313 **Introduction to Device Physics**

ENEE313 *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.
Prerequisite: A grade of "C" (2.0) or higher in ENEE204 and all other 200-level courses. For ENEE and ENCP majors only and permission of department. Credit will be granted for only one of the following: ENEE312 or ENEE313. Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Timothy Horiuchi MW 11:00am - 12:15pm Th 11:00am - 11:50am	Seats (Total: 22) CSI 2117 EGR 3114	 Discussion
0103	Timothy Horiuchi MW 11:00am - 12:15pm Th 1:00pm - 1:50pm	Seats (Total: 25) CSI 2117 EGR 2116	 Discussion

ENEE322 **Signal and System Theory**

ENEE322 *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: ENEE204 and MATH246 and completion of all lower-division technical courses in the curriculum. See above note. For ENEE majors only.* Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering. ENEE majors (09090) only.

0101	Carol Espy-Wilson MW 12:30pm - 1:45pm Tu 9:00am - 9:50am	Seats (Total: 27) Location: TBA EGR 1104	Discussion
0102	Carol Espy-Wilson MW 12:30pm - 1:45pm Tu 10:00am - 10:50am	Seats (Total: 27) Location: TBA EGR 1104	Discussion
0201	Steven Marcus TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 27) KEB 1110 EGR 1104	Discussion
0202	Steven Marcus TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 27) KEB 1110 EGR 2116	Discussion

ENEE322H **Signal and System Theory**

ENEE322H *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: ENEE204 and MATH246 and completion of all lower-division technical courses in the curriculum. See above note. For ENEE majors only.* This course is for ENEE Honors students only.

0101	Andre Tits TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 25) EGR 2154 CHE 2136	Discussion

ENEE324 **Engineering Probability**

ENEE324 *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. See above note. Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. Credit will be granted for only one of the following: BMGT231, STAT400, or ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications. ENEE majors (09090) only.

0101	Anthony Ephremides MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 27) KEB 1110 EGR 0108	 Discussion
0201	Adrianos Papamarcou TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 27) JMP 3201 EGR 0108	 Discussion
0202	Adrianos Papamarcou TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 30) JMP 3201 EGR 2154	 Discussion

ENEE350 **Computer Organization**

ENEE350 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: ENEE244 and completion of all lower-division technical courses in the EE curriculum. See above note. For 09090 and 09991 majors only. Electrical Engineering and Computer Engineering majors may not substitute CMSC 311 for ENEE350. Not open to students who have completed ENEE250. Formerly ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages. ENEE majors (09090) only

0102	Charles Silio MW 3:30pm - 4:45pm Th 10:00am - 10:50am	Seats (Total: 30) CHE 2110 EGR 1104	 Discussion

0201	Yavuz Oruc TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 27) KEB 1110 EGR 2154	 Discussion
0202	Yavuz Oruc TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 27) KEB 1110 EGR 0108	 Discussion

ENEE350H **Computer Organization**

ENEE350H *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: ENEE244 and completion of all lower-division technical courses in the EE curriculum. See above note. For 09090 and 09991 majors only. Electrical Engineering and Computer Engineering majors may not substitute CMSC 311 for ENEE350. Not open to students who have completed ENEE250. Formerly ENEE250.* For general honors students only.

0101	Bruce Jacob TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 25) EGR 1108 CHE 2136	 Discussion

ENEE359R **Intermediate Topics in Computer Engineering; Reverse Engineering**

ENEE359R Intermediate Topics in Computer Engineering: Reverse Engineering; (2 credits) Grade Method: REG.

0101	Bruce Jacob M 3:00pm - 5:00pm	Seats (Total: 12) AVW 2446	

ENEE359V **Intermediate Topics in Computer Engineering; Advanced Digital Design with Hardware Description Languages**

ENEE359V *(PermReq)* **Intermediate Topics in Computer Engineering: Advanced Digital Design with Hardware Description Languages; (2 credits)** Grade Method: REG.
Click here f or more information

0101	Peter Petrov Tu 3:30pm - 4:45pm W 3:00pm - 5:00pm	Seats (Total: 20) EGR 3114 AVW 2446	 Lab

ENEE380 **Electromagnetic Theory**

ENEE380 *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisites: MATH241,(PHYS270 and 271 {Former PHYS263}) and completion of all lower-division technical courses in the EE curriculum. See above note.* Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. ENEE majors (09090) only.

0101	Leonard Taylor MW 2:00pm - 3:15pm Tu 12:00pm - 12:50pm	Seats (Total: 27) EGR 3106 EGR 2116	 Discussion
0102	Leonard Taylor MW 2:00pm - 3:15pm Tu 1:00pm - 1:50pm	Seats (Total: 27) EGR 3106 EGR 2116	 Discussion
0201	Edo Waks TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 27) CSI 3117 EGR 0108	 Discussion
0202	Edo Waks TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 27) CSI 3117 EGR 1108	 Discussion

ENEE380H **Electromagnetic Theory**

ENEE380H *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisites: MATH241,(PHYS270 and 271 {Former PHYS263}) and completion of all lower-division technical courses in the EE curriculum. See above note.*

0101	Patrick O'Shea TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 25) CSI 2120 EGR 3102	 Discussion

ENEE381 **Electromagnetic Wave Propagation**

ENEE381 *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380 and completion of all lower-division technical courses in the EE curriculum. See above note. For ENEE majors only. The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas. ENEE majors only (09090).

0101	Danilo Romero MW 2:00pm - 3:15pm Tu 11:00am - 11:50am	Seats (Total: 25) KEB 1110 MTH 0405	 Discussion
0102	Danilo Romero MW 2:00pm - 3:15pm Tu 1:00pm - 1:50pm	Seats (Total: 25) KEB 1110 EGR 1104	 Discussion

ENEE408A **Capstone Design Project:Microprocessor-Based Design**

ENEE408A *(PermReq)* **Capstone Design Project:Microprocessor-Based Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Restricted to ENEE and ENCP students. Prerequisite: ENEE 440. Click here f or more information

0101	William Hawkins Th 8:00am - 9:15am TBA	Seats (Total: 13) KEB 2107 AVW 1454	 Lab

ENEE408E **Capstone Design Project: Optical System Design**

ENEE408E *(PermReq)* **Capstone Design Project: Optical System Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENEE 380. Co-requisite: ENEE381 (Capstone design for EE majors only). Click here f or more information

0101	Christopher Davis MW 9:30am - 10:45am	Seats (Total: 60) KEB 1110	

ENEE408I **Capstone Design Project: Autonomous Control of Interacting Robots**

ENEE408I *(PermReq)* **Capstone Design Project: Controls; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENEE114, ENEE322, and modest experience with C programming.
Click here for more course information.

0101	Gilmer Blankenship W 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 12) EGR 1108 KEB 3209	 Lab
0102	Gilmer Blankenship W 9:00am - 9:50am F 10:00am - 1:00pm	Seats (Total: 12) EGR 1108 KEB 3209	 Lab

ENEE416 **Integrated Circuit Fabrication Laboratory**

ENEE416 *(PermReq)* **Integrated Circuit Fabrication Laboratory; (3 credits)** Grade Method: REG.
Prerequisite: ENEE302 and completion of all lower-division technical courses in the EE curriculum. For 09090 and 09991 majors only. Not open to students who have completed ENEE419J. Formerly ENEE419J. Characterization of wafers and fabrication steps. Oxide growth, lithography, dopant diffusion, and metal deposition and patterning will be discussed in the lectures and carried out in the lab in fabricating NMOS transistor circuits. The transistor characteristics will be measured and related to the fabrication parameters.

0102	Reza Ghodssi Tu 2:00pm - 3:15pm Tu 9:00am - 12:00pm	Seats (Total: 5) EGR 3102 KEB 2300	 Lab
0104	Reza Ghodssi Tu 2:00pm - 3:15pm W 12:30pm - 3:30pm	Seats (Total: 5) EGR 3102 KEB 2300	 Lab
0105	Reza Ghodssi Tu 2:00pm - 3:15pm Th 9:00am - 12:00pm	Seats (Total: 5) EGR 3102 KEB 2300	 Lab

ENEE419A **Topics in Microelectronics; Analog and Digital Electronics II**

ENEE419A *(PermReq)* **Topics in Microelectronics: Analog and Digital Electronics II; (3 credits)** Grade Method: REG.
Restricted to ENEE and ENCP majors. Prerequisite: ENEE303. Click here f or more information

0101	Pamela Abshire	Seats (Total: 30)
	MW 2:00pm - 3:15pm	JMP 1202

ENEE420 **Communication Systems**

ENEE420 *(PermReq)* **Communication Systems; (3 credits)** Grade Method: REG. *Prerequisite: ENEE324 and completion of all lower-division technical courses in the EE curriculum. See above note.* Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise. ENEE majors (09090) only.

0101	Richard La	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 1104

ENEE425 **Digital Signal Processing**

ENEE425 *(PermReq)* **Digital Signal Processing; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. See above note.* Sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic. ENEE majors (09090) only.

0101	KJ Ray Liu	Seats (Total: 45)
	TuTh 3:30pm - 4:45pm	CHE 2108

ENEE426 **Communication Networks**

ENEE426 *(PermReq)* **Communication Networks; (3 credits)** Grade Method: REG. *Prerequisite: ENEE324 and completion of all lower-division technical courses in the EE curriculum. Restricted to students with a 09090 major code. See above note.* The main design issues associated with computer networks, satellite systems, radio nets, and general communication networks. Application of analytical tools of queuing theory to design problems in such networks. Review of proposed architectures and protocols.

0101	Mark Shayman	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	CSI 2118	

ENEE428 **Communications Design Laboratory**

ENEE428 *(PermReq)* **Communications Design Laboratory; (2 credits)** Grade Method: REG.

0101	Steven Tretter	Seats (Total: 12)	
	M 9:00am - 9:50am	EGR 1108	
	M 2:00pm - 5:00pm	AVW 1450	Lab
0102	Steven Tretter	Seats (Total: 12)	
	M 9:00am - 9:50am	EGR 1108	
	W 2:00pm - 5:00pm	AVW 1450	Lab

ENEE435 **Introduction to Electrical Processes, Structure and Computing Models of the Brain**

ENEE435 *(PermReq)* **Introduction to Electrical Processes, Structure and Computing Models of the Brain; (3 credits)** Grade Method: REG. *Prerequisite: ENEE204 and completion of all lower-division technical courses in the EE curriculum.* Concepts, theoretical and experimental probing methods and models for understanding the human brain structures and functions from an engineering viewpoint. Bioelectric phenomena of cells and electrical circuit functional models. Neurons as signal generators, decision elements, and information transmission and processing devices. Basic neural circuits and models. Experimental techniques, signal recording and analysis. Brain architecture-communication, control and information processing structures and functions. Memory, associations learning and higher brain functions. Computer simulations and computational models. Overview of brain-inspired intelligent machine approaches and systems.

0101	Nicholas De Claris	Seats (Total: 22)	
	TuTh 3:30pm - 4:45pm	CSI 2118	

ENEE440 **Microprocessors**

ENEE440 *(PermReq)* **Microprocessors; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum. See above note. For 09090 and 09991 majors only.* Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems. ENEE majors only (09090).

0101	William Hawkins	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	EGR 3106	

ENEE445 **Computer Laboratory**

ENEE445 *(PermReq)* **Computer Laboratory; (2 credits)** Grade Method: REG. *Prerequisites: ENEE206 and ENEE350; and completion of all lower-division technical courses in the EE curriculum. For 09090 and 09991 majors only.* This laboratory course focuses on the hardware/software interface in computer systems. Hand-on experiments are used to teach design, construction, analysis, and measurement of both hardware and software for embedded systems. Projects emphasize using microcontrollers for control, sensing, and communication through various I/O devices.

0101	William Hawkins	Seats (Total: 10)	
	Tu 9:30am - 10:45am	EGR 1102	
	Th 2:00pm - 5:00pm	AVW 1454	Lab

ENEE446 **Digital Computer Design**

ENEE446 *(PermReq)* **Digital Computer Design; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum. See above note.* Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing. ENEE majors (09090) only.

0101	Yavuz Oruc	Seats (Total: 35)	
	TuTh 11:00am - 12:15pm	EGR 2154	

ENEE459A **Topics in Computer Engineering; CAD Tools for Microprocessor Design**

ENEE459A *(PermReq)* **Topics in Computer Engineering: CAD Tools for Microprocessor Design; (1 credit)** Grade Method: REG.
Prerequisite: ENEE244. Click here f or more information

0101	William Hawkins	Seats (Total: 15)	
	Tu 8:25am - 9:15am	KEB 2107	

ENEE459K **Topics in Computer Engineering; Hardware FPGA Design Using Verilog**

ENEE459K *(PermReq)* **Topics in Computer Engineering: Hardware FPGA Design Using Verilog; (3 credits)** Grade Method: REG.
Click here f or more information

0101	Kazuo Nakajima	Seats (Total: 20)	
	Tu 9:00am - 10:50am	AVW 2446	
	Th 9:00am - 11:00am	AVW 2446	Lab

ENEE460 **Control Systems**

ENEE460 *(PermReq)* **Control Systems; (3 credits)** Grade Method: REG.
Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. See note above. For ENEE majors only. Mathematical models for control system components. Transform and time domain methods for linear control systems. Introductory stability theory. Root locus, bode diagrams and Nyquist plots. Design specifications in the time and frequency domains. Compensation design in the time and frequency domain. Introduction to sampled data systems. ENEE majors (09090) only.

0101	Monther Hasouneh	Seats (Total: 30)	
	MW 3:30pm - 4:45pm	CHM 1224	

ENEE474 **Power Systems**

ENEE474 *(PermReq)* **Power Systems; (3 credits)** Grade Method: REG.
Prerequisite: ENEE322 and completion of all lower-division technical in the EE curriculum. See above note. Interconnected power systems, transmission lines, load flow studies, unit commitment and economic dispatch. Three phase networks, machine models. Symmetrical components, fault analysis and unbalanced operation. Power system transients, stability and numerical methods in power system analysis.

0101	Isaak Mayergoyz	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	CSI 2107	

ENEE480 **Fundamentals of Solid State Electronics**

ENEE480 *(PermReq)* **Fundamentals of Solid State Electronics; (3 credits)** Grade Method: REG.
Prerequisite: ENEE302 and completion of all lower-division technical courses in the EE curriculum. See above note. Crystal structure and materials preparation; carrier transport; elementary quantum mechanics applied to solids; band structure of metals, insulators, and semiconductors; field effect transistors; PN junctions; bipolar transistors; fabrication of devices. ENEE majors (09090) only.

0101	Agisilaos Iliadis	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	CHE 2145	

ENEE486 **Optoelectronics Lab**

ENEE486 *(PermReq)* **Optoelectronics Lab; (2 credits)** Grade Method: REG.
Prerequisite: ENEE206 and (PHYS270 and 271 {Formerly: PHYS263}) and completion of all lower-division technical courses in the EE curriculum. Restricted to students with a 09090 major code. Hands-on experience in performing measurements in optics and electro-optics. Basics of optics, light detectors, Fourier optics, gratings and spectrometers, pulsed dye lasers, fiber optics, electro-optics, and acousto-optics. ENEE majors (09090) only.

0101	Mario Dagenais	Seats (Total: 10)	
	Th 10:00am - 10:50am	EGR 1102	
	Tu 2:00pm - 5:00pm	AVW 1362	Lab

ENEE488 **Independent Study in Electrical and Computer Engineering**
Contact department for information to register for this course.

ENEE499 **Senior Projects in Electrical and Computer Engineering**

ENEE499 *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
ENEE majors (09090) only.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**

ENEE499L *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**

ENEE499R *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499T **Senior Projects in Electrical and Computer Engineering; Undergradute Teaching Experience**
Contact department for information to register for this course.

ENEE600 **Solid State Electronics**

ENEE600 Solid State Electronics; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 480; background in elementary quantum mechanics. Credit will be granted for only one of the following: ENEE 600 or ENEE 793. Formerly ENEE793.
Properties of crystals; energy bands: electron transport theory; conductivity and hall effect; statistical distributions; fermi level: impurities; non-equilibrium carrier distributions; normal modes of lattice vibration and thermal properties of crystals; tunneling phenomena; surface properties.

0101	John Melngailis	Seats (Total: 30)
	MW 12:30pm - 1:45pm	JMP 2202

ENEE610 **Electrical Network Theory**

ENEE610 Electrical Network Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: undergraduate circuit theory or permission of instructor. Matrix algebra, network elements, ports, passivity and activity, geometrical and analytical descriptions of networks, state variable characterizations, scattering matrices, signal flow graphs, sensitivity.

0101	Robert Newcomb	Seats (Total: 30)	
	TuTh 9:30am - 10:45am	CSI 2118	

ENEE614 **Radio Frequency VLSI Circuit Design**

ENEE614 Radio Frequency VLSI Circuit Design; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 611; ENEE 408D or equivalent. This course will give students the knowledge required to analyze, design and lay-out discrete and integrated circuits used in modern radio frequency communications. The course will focus on advanced amplifier concepts, frequency conversion, tuning, and low-noise techniques. Implementation of AM, FM and digital modulation techniques will be covered. Emphasis will be given to CMOS technology as applied to analog VLSI. Advanced applications of SPICE and VLSI design layout tools will be covered.

0101	Neil Goldsman	Seats (Total: 30)	
	MW 3:30pm - 4:45pm	JMP 2202	

ENEE620 **Random Processes in Communication and Control**

ENEE620 Random Processes in Communication and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 324 or equivalent. Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

0101	Sennur Ulukus	Seats (Total: 27)	
	MW 5:00pm - 6:15pm	CSI 2117	
	Th 5:00pm - 5:50pm	CSI 3118	Discussion

0102	Sennur Ulukus	Seats (Total: 27)	
	MW 5:00pm - 6:15pm	CSI 2117	
	F 11:00am - 11:50am	CSI 3118	Discussion

ENEE623 **Digital Communications**

ENEE623 Digital Communications; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENEE 620 and ENEE 420 or equivalents, or permission of instructor. Review of sampling and quantization, functional characterization of digital signals and transmission facilities, band-limited signals and systems. Digital modulation/demodulation techniques, error probability, intersymbol interference and its effects, adaptive equalization. Signaling with coded waveforms, fading and satellite channels, multiple access problems and protocols. Introduction to spread-spectrum Communications.

0101	Armand Makowski	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	CSI 3118	

ENEE626 **Error Correcting Codes**

ENEE626 Error Correcting Codes; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 420 or equivalent. Credit will be granted for only one of the following: ENEE 626 or ENEE 722. Formerly ENEE722. Introduction to linear codes; bounds on the error correction capabilities of codes; convolutional codes with threshold, sequential and viterbi decoding; cyclic random error correcting codes; P-N sequences; cyclic and convolutional burst error correcting codes.

0101	Alexander Barg	Seats (Total: 30)	
	MW 2:00pm - 3:15pm	EGR 2116	

ENEE630 **Advanced Digital Signal Processing**

ENEE630 Advanced Digital Signal Processing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 425. Corequisite: ENEE 620. Credit will be granted for only one of the following: ENEE 624 or ENEE 630. Formerly ENEE624. This is the first-year graduate course in signal processing. The objective is to establish fundamental concepts of signal processing on multirate processing, parametric modeling, linear prediction theory, modern spectral estimation, and high-resolution techniques.

0101	Min Wu	Seats (Total: 60)
	MW 12:30pm - 1:45pm	CHE 2108

ENEE633 **Statistical and Neural Pattern Recognition**

ENEE633 Statistical and Neural Pattern Recognition; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH461 or equivalent or permission of instructor. Corequisite: ENEE620. Credit will be granted for only one of the following: ENEE633 or ENEE739Q. Formerly ENEE739Q. The goal is to introduce mathematical pattern analysis and recognition. Emphasis is given to parametric and non-parametric statistical pattern recognition methods and clustering with applications to speech, image and video recognition.

0101	Ramalingam Chellappa	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	CSI 2107

ENEE641 **Mathematical Foundations for Computer Engineering**

ENEE641 Mathematical Foundations for Computer Engineering; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENEE 641 or ENEE 759F. Formerly ENEE759F. Mathematical modeling, design, analysis and proof techniques related to computer engineering. Probability, logic, combinatorics, set theory, and graph theory, as they pertain to the design and performance of computer engineering systems. Techniques for the design and analysis of efficient computational methods from graph theory and networks. Understanding of the limits on the efficiency of such computational methods. Translation from mathematical theory to actual programming. The course emphasizes mathematical rigor.

0101	Ankur Srivastava	Seats (Total: 50)
	MW 11:00am - 12:15pm	JMP 3216

ENEE646 **Digital Computer Design**

ENEE646 Digital Computer Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 446 or equivalent knowledge of basic computer design, as well as experience in assembly language programming for at least one instruction set architecture and basic probability theory.* Concepts and techniques for design of computer systems with improved performance. Advanced I/O systems, memory organization, pipeland and parallel processors, bus bandwidth, processor/memory interconnections, cache memory, virtual memory, multiprocessors, performance evaluation.

0101	Donald Yeung	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	CSI 2118

ENEE660 **System Theory**

ENEE660 System Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE460 or equivalent; MATH463 or equivalent; or permission of instructor. Also offered as MAPL460. Credit will be granted for only one of the following: ENEE660, ENEE663, or MAPL640. Formerly ENEE663.* General systems models. State variables and state space. Linearity and its implications. Controllability and observability. State space structure and representation. Realization theory and algorithmic solutions. Parameterizations of linear systems; canonical forms. Basic results from stability theory. Stabilizability. Fine structure of linear multivariable systems; minimal indices and polynomial matrices. Interplay between frequency domain and state space.

0101	Nuno Martins	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	JMP 1109

ENEE680 **Electromagnetic Theory I**

ENEE680 Electromagnetic Theory I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 381 or equivalent.* Theoretical analysis and engineering applications of Maxwell's equations. Boundary value problems of electrostatics and magnetostatics.

0101	Thomas Antonsen	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	EGR 3106

ENEE686 **Charged Particle Dynamics, Electron and Ion Beams**

ENEE686 Charged Particle Dynamics, Electron and Ion Beams; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. General principles of single-particle dynamics; mapping of the electric and magnetic fields; equation of motion and methods of solution; production and control of charge particle beams; electron optics; Liouville's theorem; space charge effects in high current beams; design principles of special electron and ion beam devices.

0101	Rami Kishek	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	EGR 3114

ENEE690 **Quantum and Wave Phenomena with Electrical Application**

ENEE690 Quantum and Wave Phenomena with Electrical Application; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENEE 381 and ENEE 382 or equivalent. Introduction of quantum and wave phenomena from electrical engineering point of view. Topics included: general principles of quantum mechanics, operator algebra, the microwave resonant cavity and the analagous potential well problem, harmonic oscillator, hydrogenic atom. Perturbation method applied to the transmission line and potential well problems. Periodically loaded transmission line and Kronig-Penny model of band theory.

0101	Howard Milchberg	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 3114

ENEE698A **Graduate Seminar; Communications**

ENEE698A Graduate Seminar: Communications; (1 credit) Grade Method: REG/AUD.
ENEE students only. Click here for more course information.

0101	Prakash Narayan	Seats (Total: 30)
	Th 1:00pm - 1:50pm	AVW 2168

ENEE698B **Graduate Seminar; Computers Engineering**

ENEE698B Graduate Seminar: Computers Engineering; (1-3 credits) Grade Method: REG/AUD/S-F.
Click here for more course information.

0101	Kazuo Nakajima Th 5:00pm - 5:50pm	Seats (Total: 30) CSI 3120

ENEE698C **Graduate Seminar; Controls**

ENEE698C Graduate Seminar: Controls; (1 credit) Grade Method: REG/AUD.
ENEE majors only. Click here for more course information.

0101	Nuno Martins W 4:00pm - 6:00pm	Seats (Total: 28) EGR 3111

ENEE698E **Graduate Seminar; Microelectronics**

ENEE698E Graduate Seminar: Microelectronics; (1-3 credits) Grade Method: REG/AUD.
ENEE majors only. Click here for more course information.

0101	Robert Newcomb Tu 5:00pm - 5:50pm	Seats (Total: 35) AVW 2328

ENEE698T **Graduate Seminar; Technology Law**

ENEE698T Graduate Seminar: Technology Law; (1 credit) Grade Method: REG/AUD/S-F.
Click here for more information.

0101	Michael Oblon Tu 6:00pm - 8:00pm	Seats (Total: 35) CSI 2120

ENEE699 **Independent Studies in Electrical Engineering**

ENEE699 *(PermReq)* **Independent Studies in Electrical Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE729D **Advanced Topics in Communication; Information Theory**

ENEE729D Advanced Topics in Communication: Information Theory; (3 credits) Grade Method: REG/AUD.

0101	Prakash Narayan	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSI 1121

ENEE739D **Advanced Topics in Signal Processing; Auditory Scene Analysis**

ENEE739D Advanced Topics in Signal Processing: Auditory Scene Analysis; (3 credits) Grade Method: REG/AUD.

0101	Shihab Shamma	Seats (Total: 30)
	MW 11:00am - 12:15pm	JMP 1109

ENEE752 **Computational Intelligence and Knowledge Engineering**

ENEE752 Computational Intelligence and Knowledge Engineering; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Concepts, design, implementation of computational intelligence involving integration of four methodologies: intelligent database management systems, rule-based systems, neural-type systems and fuzzy systems for heuristic problem solving, diagnostics, risk analysis and decision support; decision trees, reasoning techniques, heuristics and expertise; knowledge representation and acquisition; machine learning systems for pattern and feature extraction; neural network models, fuzzy systems; neural networks as expert systems; composite and neuro-fuzzy systems; coupling databases, knowledge bases and neural networks: hardware-software issues, survey of practical designs and evaluation. Completion of a term project involving system integration of two or more methodologies for a specific domain application. Students in this course with the approval of the instructor can fabricate, as part of their term project, VLSI chips via MOSIS.

0101	Joseph JaJa	Seats (Total: 30)
	MW 2:00pm - 3:15pm	CHE 2136

ENEE759B **Advanced Topics in Computer Engineering; Advances in Low-Power Design Methodologies**

ENEE759B Advanced Topics in Computer Engineering: Advances in Low-Power Design Methodologies; (3 credits) Grade Method: REG/AUD.

0101	Gang Qu	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMP 1202

ENEE765 **Adaptive Control**

ENEE765 Adaptive Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE660 or equivalent; and ENEE664 or equivalent. Not open to ALL students who have completed ENEE 769C. General principles of adaptive control. Self-tuning regulators and model reference adaptive systems. Theoretical issues: stability, convergence, and robustness. Practical issues: implementation, computation, auto-tuning, and other successful application. Alternatives to adaptive control.

0101	Perinkulam Krishnaprasad	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	CSI 1122

ENEE769G **Advanced Topics in Controls; Networked Control Systems**

ENEE769G Advanced Topics in Controls: Networked Control Systems; (3 credits) Grade Method: REG/AUD.

0101	John Baras	Seats (Total: 30)
	MW 3:30pm - 4:45pm	EGR 2116

ENEE791 **Quantum Electronics II**

ENEE791 Quantum Electronics II; (3 credits) Grade Method: REG/AUD.
Nonlinear optical effects and devices, tunable coherent light sources: optical parametric oscillator; frequency conversion and dye laser. Ultrashort pulse generation and measurement, stimulated raman effect, and applications. Interaction of acoustic and optical waves, and holography.

0101	Kristine Rosfjord	Seats (Total: 30)
	MW 2:00pm - 3:15pm	EGR 3114

ENEE799 **Master's Thesis Research**

ENEE799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE889 **Teaching Workshop**
Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

ENEE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

ENEE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENES Engineering Science Fall 2009

ENES100 **Introduction to Engineering Design**

ENES100 *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Corequisite: MATH140. Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

0101	George Syrmos MW 8:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 40) JMP 1116 EGR 1202
0201	Kevin Calabro TuTh 8:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 40) JMP 1116 EGR 1202
0301	Isabel Lloyd MW 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 0) JMP 1116 EGR 1202

0302	Sheryl Ehrman MW 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 40) JMP 1215 EGR 1202
0401	Peter Kofinas TuTh 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 40) JMP 1116 EGR 1202
0402	John Cumings TuTh 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 40) JMP 1215 EGR 1202
0501	Peter Sunderland MW 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 40) JMP 1116 EGR 1202
0601	David Lovell TuTh 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 40) JMP 1116 EGR 1202
0602	Bruce Jacob TuTh 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 40) JMP 1215 EGR 1202
0701	Thomas Murphy MW 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 40) JMP 1116 EGR 1202
0702	Christopher Davis MW 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 36) JMP 1215 EGR 1202
0801	Evandro Valente TuTh 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 40) JMP 1116 EGR 1202

ENES100U **Introduction to Engineering Design**
Contact department for information to register for this course.

ENES102 **Statics**

ENES102 *(PermReq)* **Statics; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. For engineering majors only. Formerly ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Thomas Beigel MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 50) CHM 0128 CHM 0128	 Discussion
0104	Gary Pertmer MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 56) CHM 0115 CHM 0115	 Discussion

ENES102H **Statics**

ENES102H *(PermReq)* **Statics; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. For engineering majors only. Formerly ENES110.*

0101	Peter Chang TuTh 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 40) JMP 3216 EGR 1108	 Discussion
0102	Christopher Cadou TuTh 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 40) JMP 3216 JMP 2202	 Discussion
0103	Mary Bowden TuTh 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 40) JMP 3216 CSI 1121	 Discussion
0104	Peter Chang TuTh 2:00pm - 2:50pm F 1:00pm - 2:50pm	Seats (Total: 40) EGR 3106 CHE 2118	 Discussion

ENES115 **FLEXUS Living and Learning Community Seminar I**

ENES115 *(PermReq)* **FLEXUS Living and Learning Community Seminar I; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Restricted to first year FLEXUS Participants (coded as WCY). The seminar focuses on personal and professional development related to the field of engineering with a strong emphais on clarifying career goals and decisions. Additional topics include an introduction to campus and engineering resources, basic tools, and undergraduate research opportunities. Students will discuss issues of concern through a variety of book readings, self-reflections, and panel discussions with practicing women engineers.

0101	Paige Smith Th 3:30pm - 5:00pm	Seats (Total: 35) LPA 1125

ENES181 **Dialogue with the Dean**

ENES181 Dialogue with the Dean; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: new students only - transfers and freshmen. For ENGR majors only. Introduction to Engineering as a Profession, Overview of Martin Institute and Clark School Education and Research Programs, The Future of Engineering and Engineering Education, Basic Technological Literacy, Business and Entrepreneurship Issues for Engineers, the Joy of Discovery, Student Projects: How to get involved, Research and Development Programs: How to get involved, What the corporate sector expects from a new engineering graduate.

0101	Darryll Pines W 4:00pm - 4:50pm	Seats (Total: 100) KEB 1110

ENES182 **Engineering the Future**

ENES182 Engineering the Future; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the challenges facing society where the fields of engineering and science are being asked to provide the technologies underlying the proposed solutions including nanotechnology, sustainable energy, transportation, biotechnology, climate change, novel material and environmental impact. Also covered will be an understanding of how the different fields of engineering will play a role in solving these challenges.

0101	Joonil Seog Tu 5:00pm - 5:50pm	Seats (Total: 100) KEB 1110

ENES190H **Introduction to Design and Quality**

ENES190H Introduction to Design and Quality; (4 credits) Grade Method: REG. *Prerequisite: permission of college. Also offered as BMGT190. Credit will be granted for only one of the following: BMGT190 or ENES190.* First course in a sequence of four Total Quality Program Courses. For total Quality Program participants only. Also offered as ENES190H.

0101	Joseph Bailey TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	Seats (Total: 40) VMH 1330 VMH 1303	 Discussion
0102	Joseph Bailey TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	Seats (Total: 40) VMH 1330 VMH 1307	 Discussion

ENES210 **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**

ENES210 Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.

FC01	James Green MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 75) CHM 1402	

ENES215 **FLEXUS Living and Learning Community Seminar III**

ENES215 *(PermReq)* **FLEXUS Living and Learning Community Seminar III; (1 credit)** Grade Method: REG.
Prerequisite: ENES115 and ENES116. Restricted to second year FLEXUS participants (coded as WCY). The seminar focuses on personal, academic and professional success by cultivating leadership skills, developing self-confidence and self-efficacy in academic and technical ability and encouraging self awareness, identifying and employing strategies for academic and professional success, further enhancing career development through networking, mentoring and role modeling, and developing awareness of diversity issues, specifically gender diversity.

0101	Paige Smith Tu 4:15pm - 5:30pm	Seats (Total: 14) LPA 1125	

ENES220 **Mechanics of Materials**

ENES220 *(PermReq)* **Mechanics of Materials; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ENES102; and MATH141; and PHYS161. For engineering majors only (not including ENEE majors). Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab. Prerequisite: student in the College of Engineering.

0101	William Fourney MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 45) CHM 0115 CHM 0119	 Discussion
0102	Kevin Calabro MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 45) EGR 0110 EGR 0110	 Discussion
0103	Robert Bonenberger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 45) EGR 3106 EGR 3106	 Discussion
0104	Thomas Beigel MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 45) PHY 1402 EGR 1104	 Discussion

0201	Thomas Beigel MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 45) EGR 1108 EGR 1104	Discussion
0301	William Fourney MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 45) CHM 0115 CHM 0128	Discussion
0401	Robert Bonenberger MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 45) PLS 1130 EGR 3106	Discussion

ENES221 **Dynamics**

ENES221 *(PermReq)* **Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENES102 or ENES110; and MATH141; and PHYS161.* Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.

0101	Chandrasekhar Thamire MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 40) JMP 3216 JMP 1202	Discussion
0102	Danielle Chrun, Kenneth Kiger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 40) EGR 1108 CHE 2118	Discussion
0103	Kenneth Kiger MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 40) EGR 1104 CHE 2136	Discussion
0104	Chandrasekhar Thamire MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 40) JMP 2202 CHM 1228	Discussion

ENES270 **Inventis-Professional Skills in Engineering**

ENES270 Inventis-Professional Skills in Engineering; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to students in the Inventis program. Prerequisite: ENES170. Engineering professional skills course focusing on team building, communication skills, technical writing, technology management, and intellectual property and standards.

0101	Jane Fines, Jacqueline Mac Th 5:00pm - 6:15pm	Seats (Total: 45) EGR 1104

ENES390H **Systems Thinking for Managerial Decision Making**

ENES390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT190H or ENES190H. For QUEST students only. Also offered as BMGT390. Credit will be granted for only one of the following: BMGT390, BMGT498X, ENES390, or ENES498X. Restricted to QUEST program students. Also offered as BMGT390H.

0101	Jose Suarez M 7:00pm - 9:40pm	Seats (Total: 46) VMH 1330

ENES424 **Engineering Leadership Capstone**

ENES424 Engineering Leadership Capstone; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES317, ENES320, ENES472 and permission of department. Recommended: ENES100 or equivalent. The work initiated in the Introduction to Engineering Leadership course brings together further exploration of leadership styles and concepts.

0101	David Mitchell M 5:30pm - 8:15pm	Seats (Total: 35) EGR 0110
0201	Jane Fines Contact instructor or department for details.	Seats (Total: 0)

ENES440 **Science, Technology and Society: Certificate Program Capstone**

ENES440 Science, Technology and Society: Certificate Program Capstone; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STS certificate students or permission of department. Credit will be granted for only one of the following: ENES440 or UNIV401. Formerly UNIV401. Capstone research seminar for students in the Science, Technology and Society certificate program.

0101	Betsy Mendelsohn	Seats (Total: 10)
	Contact instructor or department for details.	

ENES460 **Fundamentals of Technology Start-Up Ventures**

ENES460 Fundamentals of Technology Start-Up Ventures; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BUSI758T. Formerly ENES489A. Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts.

0101	James Green	Seats (Total: 55)
	Th 3:30pm - 6:30pm	SCC 2121
	Restricted to students in the Hinman CEO program.	
0201	Dean Chang, James Chung	Seats (Total: 25)
	M 2:00pm - 4:40pm	TAP 1103
0301	Carolyn Karlson	Seats (Total: 55)
	F 12:00pm - 2:50pm	JMP 1202
	Restricted to students in the Hillman Entrepreneurs Program.	

ENES472 **International Business Cultures in Engineering and Technology**

ENES472 International Business Cultures in Engineering and Technology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Sophomore standing. Also offered as SLLC472. Credit will be granted for only one of the following: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472 or SLLC473. Formerly ARHU439T. The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment. Restricted to students with the minor in international engineering (#EN01) or in engineering leadership development (#EN04). All other students can be placed on a hold file.

0101	Caine Francis TuTh 5:00pm - 6:15pm	Seats (Total: 30) EGR 2116

ENES478 **Topics in Engineering Education**

ENES478 *(PermReq)* **Topics in Engineering Education; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Kevin Calabro M 5:00pm - 6:00pm	Seats (Total: 16) Location: TBA

ENES480 **Engineering Honors Seminar I**

ENES480 Engineering Honors Seminar I; (1 credit) Grade Method: REG.
Prerequisite: membership in College of Engineering Honors. Junior standing.
Introduction to engineering leadership, professionalism, and ethics. Discussions of leadership style, elements of success, professional communication, codes of ethics, handling of ethical dilemmas, and the characteristics of a professional.

0101	Richard McCuen W 12:00pm - 12:50pm	Seats (Total: 12) EGR 2154
0102	Richard McCuen Th 9:30am - 10:20am	Seats (Total: 12) EGR 3102

ENES490H **Quest Consulting and Innovation Practicum**

ENES490H Quest Consulting and Innovation Practicum; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT390 or ENES390. Also offered as BMGT490. Credit will be granted for only one of the following: BMGT490 or ENES490. Fourth course in a sequence of four Total Quality Program Courses. For total Quality Program participants only.

0101	Joseph Bailey, David Ashley TuTh 5:00pm - 6:15pm Contact instructor or department for details.	Seats (Total: 80) VMH 1212

ENES498 **Special Topics in Entrepreneurship**

ENES498 Special Topics in Entrepreneurship; (3 credits) Grade Method: REG/P-F/AUD.
This case study-based course will explore technology entrepreneurship with a focus on leadership, product design and development, and strategies to launch and manage technology ventures. Students will learn the skills to launch and grow a venture through analysis of real-life technology ventures cases.

0101	James Green Th 5:00pm - 7:40pm *Restricted to students in the Hinman CEO program.*	Seats (Total: 100) SCC 2121
0301	Carolyn Karlson, William Bellows, Karen Thornton F 12:00pm - 2:50pm *Restricted to students in the Hillman Entrepreneurs Program.*	Seats (Total: 30) JMP 1109

ENES602 **Future Faculty Program Seminar II**

ENES602 *(PermReq)* **Future Faculty Program Seminar II; (1 credit)** Grade Method: REG/AUD.
Open only to students in the Clark School Future Faculty Program. Effective teaching techniques. Basic principles of education and learning. Developing a course; promoting active learning, problem solving and critical thinking; designing exam and assignments; and communicating effectively with students. This course is only open to students in the Clark School Future Faculty Program or by permission of Department.

0101	Steven Marcus	Seats (Total: 25)
	Tu 5:00pm - 6:30pm	Location: TBA

ENES604 **Future Faculty Program Teaching Practicum**

ENES604 *(PermReq)* **Future Faculty Program Teaching Practicum; (1 credit)** Grade Method: REG/AUD.
Open only to graduate students in the Clark School Future Faculty Program. Students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course. Prerequisite: ENES602. Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course.

0101	Mark Shayman	Seats (Total: 10)
	Contact instructor or department for details.	

ENFP Engineering, Fire Protection Fall 2009

ENFP108 **Hot Topics in Fire Protection Engineering**

ENFP108 Hot Topics in Fire Protection Engineering; (1 credit) Grade Method: REG/P-F/AUD.

0101	James Milke	Seats (Total: 25)
	Tu 3:30pm - 4:45pm	JMP 3216

ENFP250 **Introduction to Life Safety Analysis**

ENFP250 Introduction to Life Safety Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENFP421 or ENFP250. Formerly ENFP251. Introduction to fire protection engineering and building regulation, building safety systems, and egress system design. Evacuation modeling. Human behavior in fires. Tenability Analysis.

0101	Mat Chibbaro, James Milke	Seats (Total: 30)	
	TuTh 9:30am - 10:45am	PLS 1140	
	F 1:00pm - 1:50pm	JMP 3216	Discussion

0102	Mat Chibbaro, James Milke TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 30) PLS 1140 JMP 3216	 Discussion

ENFP300 **Fire Protection Fluid Mechanics**

ENFP300 *(PermReq)* **Fire Protection Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH246 and (PHYS260 and PHYS261 {Formerly: PHYS262}). Basic principles of fluid flow. Properties of a fluid, velocity field, flow patterns. Pressure distribution in a fluid. Hydrostatic and hydrodynamic problems. Integral relations for control volumes. Differential relations, dimensional analysis and similarity. Internal and external flow problems associated with fire protection systems and fire scenarios.

0101	Marino diMarzo MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) CHM 0127 JMP 3216	 Discussion
0102	Marino diMarzo MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 9) CHM 0127 JMP 3216	 Discussion

ENFP320 **Fire Assessment Methods and Laboratory**

ENFP320 Fire Assessment Methods and Laboratory; (4 credits) Grade Method: REG/P-F/AUD.
For ENFP majors only. Experimental evaluation of ignition, flame spread, rate of heat release and smoke production of furnishings and interior finish materials.

0101	Andre Marshall MWF 10:00am - 10:50am M 2:00pm - 3:15pm	Seats (Total: 10) JMP 3216 JMP 3229	 Lab
0102	Andre Marshall MWF 10:00am - 10:50am M 3:00pm - 4:15pm	Seats (Total: 10) JMP 3216 JMP 3229	 Lab
0103	Andre Marshall MWF 10:00am - 10:50am M 5:00pm - 6:15pm	Seats (Total: 10) JMP 3216 JMP 3229A	 Lab

0104	Andre Marshall	Seats (Total: 10)	
	MWF 10:00am - 10:50am	JMP 3216	
	M 4:00pm - 5:15pm	JMP 3229	Lab

ENFP405 **Structural Fire Protection**

ENFP405 Structural Fire Protection; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENES220. For ENFP majors only.* Effects of elevated temperature on structural materials; steel, concrete, wood, gypsum, glass and reinforced plastics. Experimental evaluation of fire resistance of building assemblies. Analytical methods to evaluate fire resistance of structural members.

0101	James Milke	Seats (Total: 30)	
	MW 1:00pm - 1:50pm	JMP 3216	
	W 2:00pm - 2:50pm	JMP 3216	Discussion

ENFP415 **Fire Dynamics**

ENFP415 *(PermReq)* **Fire Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENFP300 or ENME331; and ENME320; and ENFP312 or permission of department.* Introduction to premixed and diffusion flames; ignition, flame spread and rate of burning; fire plumes; flame radiation.

0101	James Quintiere	Seats (Total: 43)	
	TuTh 2:00pm - 3:15pm	JMP 3216	

ENFP416 **Problem Synthesis and Design**

ENFP416 *(PermReq)* **Problem Synthesis and Design; (3 credits)** Grade Method: REG/P-F/AUD.
Senior standing. Techniques and procedures of problem orientation and solution design utilizing logical and numerical procedures. Student development of research projects in selected areas. Pre-requisite: permission of instructor.

0101	James Quintiere	Seats (Total: 30)	
	Contact instructor or department for details.		

ENFP425 **Fire Modeling**

ENFP425 Fire Modeling; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Senior standing. For ENFP majors only. An introduction to the elements of enclosure fires through the development of fire modeling algorithms and the application of computer-based fire modeling techniques. Numerical techniques, including curve-fitting, root-finding, integration and the solution of ordinary differential equations, are developed in the context of enclosure fire modeling applications. Math software packages, including primarily spreadsheet programs, are used to address and solve a variety of enclosure fire problems.

0101	Arnaud Trouve	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	EGR 0135

ENFP429 **Independent Studies**

ENFP429 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Senior standing. For ENFP majors only.

Contact department for information to register for this course.

ENFP489 **Special Topics**

ENFP489 *(PermReq)* **Special Topics; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
For ENFP majors only.

Contact department for information to register for this course.

ENFP619 **Graduate Seminar**

ENFP619 *(PermReq)* **Graduate Seminar; (1-3 credits)** Grade Method: REG/AUD.

0101	Marino diMarzo	Seats (Total: 5)
	Contact instructor or department for details.	

ENFP621 **Analytical Procedures of Structural Fire Protection**

ENFP621 Analytical Procedures of Structural Fire Protection; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENFP 312 and ENFP 405. Analysis procedures for structural components of wood, steel, concrete, composites. Structural capabilities, modifications under fire induced exposures. Calculations, computer models for predicting fire resistance ratings of structural components.

0101	James Milke MW 1:00pm - 1:50pm W 3:00pm - 3:50pm	Seats (Total: 12) JMP 3216 JMP 3216	 Discussion
EF01	Susan Lamont, Darlene Rini **Meets September 7, 2009 - November 23, 2009** Class time/details on ELMs	Seats (Total: 30) ONLINE	

ENFP625 **Advanced Fire Modeling**
Contact department for information to register for this course.

ENFP629 **Selected Topics**

ENFP629 *(PermReq)* **Selected Topics; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP629A **Selected Topics; Advanced Fire Dynamics**

ENFP629A Selected Topics: Advanced Fire Dynamics; (3 credits) Grade Method: REG/AUD.

EF01	Richard Roby, Douglas Carpenter **Meets September 7, 2009 - November 23, 2009** Class time/details on ELMs	Seats (Total: 30) ONLINE	

ENFP630 **Diffusion Flames and Burning Rate Theory**

ENFP630 Diffusion Flames and Burning Rate Theory; (3 credits) Grade Method: REG/AUD.
Basic principles of diffusion flames for gaseous, liquid, and solid fuels. Droplet burning, B number, jet combustion, boundary layer combustion, generalized methods.

0101	Peter Sunderland TuTh 11:00am - 12:15pm	Seats (Total: 20) JMP 3216

ENFP649 **Special Problems**

ENFP649 *(PermReq)* **Special Problems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP799 **Master's Thesis Research**

ENFP799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL English Fall 2009

ENGL101 **Introduction to Writing**

English as a second language classes are listed under UMEI.
ENGL101 Introduction to Writing; (3 credits) Grade Method: REG.
An introductory course in expository writing. Students with a TWSE score below 33 must take ENGL 101A in place of ENGL101. Students for whom English is a second language should consider taking ENGL101X in place of ENGL101.

0102	Steven Kleinman MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1103
0104	Adam Pellegrini MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1117
0107	Meredith Norris MWF 9:00am - 9:50am	Seats (Total: 22) SQH 2119

0108	Anthony Punt MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1105
0109	Willie Davis MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1111
0202	Steven Kleinman MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2119
0204	Elizabeth Johnston MWF 10:00am - 10:50am	Seats (Total: 22) SQH 1121
0210	Joseph Hall MWF 10:00am - 10:50am	Seats (Total: 22) KEY 1117
0213	Willie Davis MWF 10:00am - 10:50am	Seats (Total: 22) SQH 1111
0214	Adam Pellegrini MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2121
0301	Elizabeth Johnston MWF 11:00am - 11:50am	Seats (Total: 22) SQH 2121
0302	Elizabeth Johnston MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 1105
0303	Katherine Young MWF 11:00am - 11:50am	Seats (Total: 22) HBK 0123
0305	Dory Hoffman MWF 11:00am - 11:50am	Seats (Total: 22) HBK 0109
0311	Jennifer Dempsey MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1103
0313	Meredith Norris MWF 11:00am - 11:50am	Seats (Total: 22) SQH 2119
0402	Douglas Kern MWF 12:00pm - 12:50pm	Seats (Total: 0) CCC 1105

0403	Natalie Hoffmann MWF 12:00pm - 12:50pm	Seats (Total: 22) MTH 1308
0404	Rebecca Lush MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0230
0408	Andrew Black MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0205
0409	Emily Manus MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 1123
0411	Willie Davis MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 1111
0503	Jacob Hinkson MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1123
0504	Jennifer Dempsey MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0205
0506	Emily Manus MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2119
0507	Lyra Hilliard MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1105
0508	Phillip Moses MWF 1:00pm - 1:50pm	Seats (Total: 22) HBK 0108
0510	Meredith Norris MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1107
0602	Jacob Hinkson MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 1111
0603	Alison Hennessee MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 2119
0605	Elizabeth Johnston MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 2117

0606	Douglas Kern MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 1101
1001	Heather McHale TuTh 8:00am - 9:15am	Seats (Total: 22) SQH 1121
1002	Deborah Koch TuTh 8:00am - 9:15am	Seats (Total: 22) SQH 1101
1004	Mirona Magearu TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 1105
1007	Kimberly O'Connor TuTh 9:30am - 10:45am	Seats (Total: 22) KEY 0120
1101	Theodore Kaouk TuTh 9:30am - 10:45am	Seats (Total: 22) ARM 0102
1102	Jacqueline Kautzer TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1103
1103	Maria Gigante TuTh 9:30am - 10:45am	Seats (Total: 22) LEF 1222
1104	Megan Monserez TuTh 9:30am - 10:45am	Seats (Total: 22) JMZ 3203
1106	Sarah Dammeyer TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1121
1110	Nicole Gurley TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1111
1111	Lindsay Jacoby TuTh 9:30am - 10:45am	Seats (Total: 22) EDU 0202
1112	James Goodwin TuTh 9:30am - 10:45am	Seats (Total: 22) HBK 0103
1203	Kimberly O'Connor TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0121

1204	Sarah Dammeyer TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 1101
1207	Mirona Magearu TuTh 11:00am - 12:15pm	Seats (Total: 22) JMZ 1122
1208	Kenton Camper TuTh 11:00am - 12:15pm	Seats (Total: 22) CHM 0128
1210	Joshua Ellis TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 1103
1212	Jocelyn Heath TuTh 11:00am - 12:15pm	Seats (Total: 22) ARM 0101
1213	Katherine Robinson TuTh 11:00am - 12:15pm	Seats (Total: 22) ARM 0102
1214	Karl Zuehlke TuTh 11:00am - 12:15pm	Seats (Total: 22) BPS 1228
1215	Sharon Higby TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2119
1301	Michelle Boswell TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 1103
1303	Eric Curry TuTh 12:30pm - 1:45pm	Seats (Total: 22) ARM 0112
1304	Katharine Savini TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 1107
1305	Joshua Ellis TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 1101
1308	Rebekah Cunningham Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) HBK 1112 TWS 0232

1309	Nicole Gurley TuTh 12:30pm - 1:45pm	Seats (Total: 22) TLF 1101
1313	Noah Siela TuTh 12:30pm - 1:45pm	Seats (Total: 22) JMZ 1124
1314	Chinenye Okparanta TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0120
1315	Laura Hill TuTh 12:30pm - 1:45pm	Seats (Total: 22) TWS 1105
1316	Sharon Higby TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 1121
1317	Thomas Earles TuTh 12:30pm - 1:45pm	Seats (Total: 22) LEF 1222
1401	Katharine Savini TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 2121
1402	Jennifer Williams TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 1103
1403	Karl Zuehlke TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 1105
1404	Chinenye Okparanta TuTh 2:00pm - 3:15pm	Seats (Total: 22) KEY 0124
1407	Stephanie Graham TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 1123
1408	Ana Farach MWF 9:00am - 9:50am	Seats (Total: 22) EDU 0206
1409	Thomas Geary MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0223
1410	Lakisha Odlum MWF 10:00am - 10:50am	Seats (Total: 22) HBK 0115

1411	Lyra Hilliard MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 1105
1412	Lyra Hilliard MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1123
1413	Leigh Ruggiero MWF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0102
1414	Jennifer Williams TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 1105
1415	Aaron Dinin TuTh 2:00pm - 3:15pm	Seats (Total: 22) JMZ 1122
1416	Natalie Hoffmann MWF 9:00am - 9:50am	Seats (Total: 22) TWS 0207
1417	Leigh Ruggiero MWF 10:00am - 10:50am	Seats (Total: 22) MTH 1311
1418	Timothy Jerome TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 1111
1419	Rebekah Cunningham Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) MTH 1308 TWS 0223
1420	Karl Zuehlke TuTh 9:30am - 10:45am	Seats (Total: 22) EGR 0108
1421	Timothy Jerome TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 1107
1422	Dory Hoffman MWF 12:00pm - 12:50pm	Seats (Total: 22) HBK 0109
1423	Ose Ojeahere MWF 1:00pm - 1:50pm	Seats (Total: 22) BPS 1238

1426	Gerald Maa TuTh 9:30am - 10:45am	Seats (Total: 22) ASY 3217
FC01	Jacob Hinkson MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1105
FC02	Amy Scott-Douglass MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1117
FC03	Jacob Hinkson MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1111
FC04	Eric Curry TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) ARM 0118
FC05	Joseph Hall TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1105
FC06	Hannah Baker TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 2121
FC07	Amy Scott-Douglass MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1117
FC08	Hannah Baker TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) ARM 0120
FC09	Joseph Hall TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 2119

FC10	Leigh Ruggiero MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1123
FC11	Hannah Baker TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1121
FC12	James Sentell TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 2121
FC13	Leigh Ruggiero MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) SQH 1123
FC14	Ann Mason MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) TWS 0205

ENGL101A **Introduction to Writing**

ENGL101A Introduction to Writing; (3 credits) Grade Method: REG.
Students should take ENGL 101A rather than ENGL 101 if their TWSE score (a subscore of the SAT verbal) is 33 or below.

1706	Natalie Corbin TuTh 9:30am - 10:45am	Seats (Total: 15) SQH 1101
1707	Linda Macri MWF 10:00am - 10:50am	Seats (Total: 15) TWS 3252

ENGL101C **Introduction to Writing**

ENGL101C Introduction to Writing; (3 credits) Grade Method: REG.
Restricted to students in the Civicus Program.

0204	Porter Olsen MWF 10:00am - 10:50am	Seats (Total: 22) SOM 0101

0308	Porter Olsen MWF 11:00am - 11:50am	Seats (Total: 22) SOM 0101

ENGL101H **Introduction to Writing**

ENGL101H Introduction to Writing; (3 credits) Grade Method: REG.
For general honors students or students with a verbal SAT of 600 or better.

0201	Kara Morillo MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1121
0501	Lakisha Odlum MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1111
0701	Gerald Maa TuTh 11:00am - 12:15pm	Seats (Total: 22) COL 0101
0801	Katherine Robinson TuTh 12:30pm - 1:45pm	Seats (Total: 22) ARM 0102

ENGL101M **Introduction to Writing**
Contact department for information to register for this course.

ENGL101S **Introduction to Writing**

ENGL101S Introduction to Writing; (3 credits) Grade Method: REG.

0203	Maggie Ray MWF 10:00am - 10:50am *Restricted to College Park Scholars - Science, Technology and Society.*	Seats (Total: 22) CCC 1115
0209	Douglas Kern MWF 10:00am - 10:50am *Restricted to College Park Scholars - Media, Self, and Society.*	Seats (Total: 22) CCC 1105
0309	Douglas Kern MWF 11:00am - 11:50am *Restricted to College Park Scholars - Arts.*	Seats (Total: 22) CCC 1105

0310	Agnes Bannigan MWF 11:00am - 11:50am *Restricted to College Park Scholars - Advocates for Children.*	Seats (Total: 22) CBD 1140
0402	Douglas Kern MWF 12:00pm - 12:50pm *Restricted to College Park Scholars - Science, Technology, and Society and Science, Discovery, and the Universe.*	Seats (Total: 20) CCC 1105
0410	Maggie Ray MWF 12:00pm - 12:50pm *Restricted to College Park Scholars - Arts and International Studies.*	Seats (Total: 22) CCC 1115
0501	Agnes Bannigan MWF 12:00pm - 12:50pm *Restricted to College Park Scholars - Advocates for Children and Media, Self, and Society.*	Seats (Total: 22) CBD 1140
1206	Nathaniel Underland TuTh 11:00am - 12:15pm *Restricted to College Park Scholars - International Studies.*	Seats (Total: 22) CCC 1115
1312	Nathaniel Underland TuTh 12:30pm - 1:45pm *Restricted to College Park Scholars - Science, Discovery and the Universe.*	Seats (Total: 22) CCC 1115

ENGL101X **Introduction to Writing**

ENGL101X Introduction to Writing; (3 credits) Grade Method: REG.
Limited to students for whom English is a second language. To register for ENGL 101X, a student must first demonstrate competence in English. Proof of one of the following should be brought to Undergraduate Advising. A TOEFL score of 550 with no sectional score below 50. 2. A CELT score of 220 with no subtest score below 60 and a rating of 5 or better on the writing sample. 3. Successful completion of UMEI 005: Advanced English as a Foreign Language, Semi-Intensive.

2003	Nabila Hijazi TuTh 11:00am - 12:15pm	Seats (Total: 18) TWS 1105

2004	Elizabeth Colson MWF 10:00am - 10:50am	Seats (Total: 18) TWS 0205

ENGL201 **Literature of the Western World I: Ancient and Medieval**

ENGL201 Literature of the Western World I: Ancient and Medieval; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Readings of authors, works, and genres, largely continental, in the early Western literary tradition. Readings such as selections from the Bible, Homer, Sophocles, Aeschylus, Sappho, Virgil, Ovid, Seneca, Augustine, Dante, medieval romance.

0201	Ellen Moll MWF 11:00am - 11:50am	Seats (Total: 35) SQH 1117
0301	Tod Jones TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 1106
0401	Ellen Moll MWF 10:00am - 10:50am	Seats (Total: 35) SQH 1105

ENGL202 **Literature of the Western World II: Renaissance to Modern**

ENGL202 Literature of the Western World II: Renaissance to Modern; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Readings of major authors, works, and genres, largely continental, in the late Western literary tradition. Readings may include Cervantes, Calderon, Moliere, Voltaire, Goethe, Dostoevsky, Ibsen, Chekhov, Flaubert, Sand, Camus, drama, the rise of the novel.

0101	Michael Quilligan MWF 1:00pm - 1:50pm	Seats (Total: 35) SQH 1117
0301	Almila Ozdek MWF 10:00am - 10:50am	Seats (Total: 35) SQH 1117
0401	Elizabeth Colson MWF 1:00pm - 1:50pm	Seats (Total: 35) TWS 0214

ENGL205 **Introduction to Shakespeare**

ENGL205 Introduction to Shakespeare; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Recommended for non-majors. Reading of representative works. Genre, action, character, theme, language, and staging. Shakespeare's relation to Renaissance culture.

0101	Maynard Mack MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 22) CSI 1115 KEY 0119	Discussion
0102	Maynard Mack MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) CSI 1115 JMP 1109	Discussion
0103	Maynard Mack MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 22) CSI 1115 JMP 1109	Discussion
0104	Maynard Mack MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) CSI 1115 JMP 1109	Discussion
0105	Maynard Mack MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) CSI 1115 KEY 0125	Discussion
0106	Maynard Mack MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) CSI 1115 KEY 0126	Discussion

ENGL211 **English Literature: Beginnings to 1800**

ENGL211 English Literature: Beginnings to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys medieval and early modern literary works written in England. Readings may include Beowulf, Chaucer, Spenser, Mary Wroth, Milton; eighteenth-century satire, drama, novels.

0101	Elizabeth Veisz MWF 12:00pm - 12:50pm	Seats (Total: 35) TWS 1107	

0201	Rebecca Lush MWF 1:00pm - 1:50pm	Seats (Total: 35) TWS 1107
0301	Stephanie Graham TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 1117

ENGL212 **English Literature: 1800 to the Present**

ENGL212 English Literature: 1800 to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys the major literary movements of the period, from Romantic to Victorian to Modern. Such authors as Wordsworth, Keats, Bronte, Tennyson, Browning, Yeats, Joyce, Woolf.

0101	Laura Hill TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1107
0201	James Goodwin TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1105

ENGL221 **American Literature: Beginning to 1865**

ENGL221 American Literature: Beginning to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.

0701	Eleanor Heginbotham TuTh 12:30pm - 1:45pm	Seats (Total: 35) TWS 0201
0801	Caroline Egan MWF 11:00am - 11:50am	Seats (Total: 35) TWS 1107

ENGL222 **American Literature: 1865 to Present**

ENGL222 American Literature: 1865 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow.

0101	Peter Mallios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) PHY 1412 SQH 1103	Discussion
0102	Peter Mallios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 22) PHY 1412 SQH 1103	Discussion
0103	Peter Mallios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) PHY 1412 SQH 1117	Discussion
0104	Peter Mallios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 22) PHY 1412 SQH 1123	Discussion
0105	Peter Mallios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) PHY 1412 SQH 2117	Discussion
0106	Peter Mallios MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) PHY 1412 SQH 2117	Discussion
0107	Peter Mallios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) PHY 1412 SQH 2119	Discussion
0108	Peter Mallios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) PHY 1412 SQH 2121	Discussion
0109	Peter Mallios MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) PHY 1412 KEY 0119	Discussion

ENGL234 Introduction to African-American Literature

ENGL234 Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
A survey of African-American literature from the late 18th century to the present. Also offered as AASP 298L.

0101	Zita Nunes TuTh 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 22) KEY 0106 LEF 1221	Discussion
0102	Zita Nunes TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 22) KEY 0106 JMZ 1117	Discussion
0103	Zita Nunes TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 LEF 1222	Discussion
0104	Zita Nunes TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 HBK 0103	Discussion
0105	Zita Nunes TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 SQH 1101	Discussion
0107	Zita Nunes TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 KEY 0116	Discussion
0108	Zita Nunes TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 WDS 1127	Discussion
0109	Zita Nunes TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 SKN 0104	Discussion
0110	Zita Nunes TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 WDS 1127	Discussion

ENGL241 **Introduction to the Novel**

ENGL241 Introduction to the Novel; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Historical, formal, social questions about the genre. Readings drawn from a range of cultures and communities.

0101	John Auchard TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 21) EGR 1202 TWS 0207	Discussion
0102	John Auchard TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 21) EGR 1202 COL 0101	Discussion
0103	John Auchard TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 21) EGR 1202 JMZ 0118	Discussion
0104	John Auchard TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 21) EGR 1202 KEY 0121	Discussion
0105	John Auchard TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 21) EGR 1202 KEY 0120	Discussion
0107	John Auchard TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 21) EGR 1202 KEY 0116	Discussion
0108	John Auchard TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 21) EGR 1202 TWS 0207	Discussion
0109	John Auchard TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 21) EGR 1202 TWS 0207	Discussion
FC01	Eric Curry TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) KEY 1117	

FC02	Mary Jimenez TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) JMZ 0205	

ENGL243 **Introduction to Poetry**

ENGL243 Introduction to Poetry; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
How poetry works. Focus on style, subject, rhythm, voice, technique and structure. Readings from a range of cultures and communities.

0101	Michael Collier MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) HJP 0226 TWS 0201	Discussion
0102	Michael Collier MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) HJP 0226 SQH 1119	Discussion
0103	Michael Collier MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) HJP 0226 TYD 0101	Discussion
0104	Michael Collier MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) HJP 0226 SQH 1107	Discussion
0105	Michael Collier MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) HJP 0226 TWS 0236	Discussion
0106	Michael Collier MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) HJP 0226 SQH 1121	Discussion
0107	Michael Collier MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) HJP 0226 TYD 1108	Discussion

0108	Michael Collier MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) HJP 0226 SQH 1101	Discussion
0109	Michael Collier MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 22) HJP 0226 KEY 0121	Discussion
0110	Michael Collier MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 22) HJP 0226 TWS 1106	Discussion
0111	Michael Collier MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) HJP 0226 TYD 1108	Discussion
0112	Michael Collier MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) HJP 0226 SQH 1101	Discussion
FC01	Lindsay Bernal MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) SYM 0215	

ENGL244 **Introduction to Drama**

ENGL244 Introduction to Drama; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
A survey of the basic literature of drama from the classical Greeks to modern times.

0101	Michael Olmert TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 22) LEF 2205 TLF 1103	Discussion
0102	Michael Olmert TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 22) LEF 2205 TWS 1106	Discussion
0103	Michael Olmert TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 22) LEF 2205 KEY 0123	Discussion

0104	Michael Olmert TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 22) LEF 2205 KEY 0124	Discussion
0105	Michael Olmert TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 22) LEF 2205 TWS 1106	Discussion
0106	Michael Olmert TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 22) LEF 2205 KEY 0116	Discussion
0107	Michael Olmert TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 22) LEF 2205 TWS 0236	Discussion
0108	Michael Olmert TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 22) LEF 2205 KEY 0125	Discussion
0109	Michael Olmert TuTh 9:30am - 10:20am F 2:00pm - 2:50pm	Seats (Total: 22) LEF 2205 KEY 0116	Discussion

ENGL245 **Film and the Narrative Tradition**

ENGL245 Film and the Narrative Tradition; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Primary attention is on the film as a narrative medium, but other literary models will be examined.

0101	Joseph Miller Th 6:00pm - 10:00pm	Seats (Total: 35) TWS 1100	
0201	Thomas Zaniello Tu 6:00pm - 10:00pm	Seats (Total: 35) TWS 1100	

ENGL250 **Introduction to Literature by Women**

ENGL250 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST255. Credit will be granted for only one of the following: ENGL250 or WMST255. Images of women in literature by and about women.

0101	Natalie Hoffmann MWF 10:00am - 10:50am	Seats (Total: 35) TWS 0214
0201	David Rettenmaier MWF 12:00pm - 12:50pm	Seats (Total: 35) TWS 0214

ENGL262 **The Hebrew Bible: Narrative**

ENGL262 The Hebrew Bible: Narrative; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as JWST262. Not open to students who have completed HEBR223. Credit will be granted for only one of the following: ENGL262 or JWST262. Formerly HEBR223. Selected readings from narrative sections of the Hebrew Bible stressing the new literary approaches to the biblical text. In English; no knowledge of Hebrew required.

0101	Maxine Grossman TuTh 2:00pm - 3:15pm	Seats (Total: 45) HJP 1229
SA25	Michael Ulrich Contact instructor or department for details.	Seats (Total: 0)

ENGL265 **Introduction to Lesbian, Gay, and Bisexual Literature**

ENGL265 Introduction to Lesbian, Gay, and Bisexual Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as LGBT265. Not open to students who have completed LGBT265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Audre Lorde, Adrienne Rich. Also offered as LGBT 265.

0101	Damion Clark TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1105	

ENGL278C **Special Topics in Literature; Introduction Creative Writing: African American Perspective**

ENGL278C Special Topics in Literature: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298W.

0101	Valerie Turner TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120	

ENGL278L **Literatures of the Americas**

ENGL278L Literatures of the Americas; (3 credits) Grade Method: REG/P-F/AUD.
CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as CMLT277.

0101	Ralph Bauer TuTh 12:30pm - 1:30pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 BPS 1124	Discussion
0102	Ralph Bauer TuTh 12:30pm - 1:30pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 BPS 1236	Discussion
0103	Ralph Bauer TuTh 12:30pm - 1:30pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 TLF 1103	Discussion
0104	Ralph Bauer TuTh 12:30pm - 1:30pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 TLF 1103	Discussion
0105	Ralph Bauer TuTh 12:30pm - 1:30pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 PLS 1158	Discussion

0106	Ralph Bauer TuTh 12:30pm - 1:30pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 PLS 1119	 Discussion

ENGL278N **Introduction to the New Testament: Messianic Midrash in a Greco-Roman World**

ENGL278N Introduction to the New Testament: Messianic Midrash in a Greco-Roman World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Also offered as JWST219N.

0101	Peter Antoci University Chaplain W 3:00pm - 5:30pm	Seats (Total: 35) SQH 2117

ENGL278T **Literature of Science and Technology**

ENGL278T Literature of Science and Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.

0101	Michelle Boswell TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 1121

ENGL278W **Literature in a Wired World**

ENGL278W Literature in a Wired World; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.

0101	Nathan Kelber TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 0223
0201	Nathan Kelber TuTh 12:30pm - 1:45pm	Seats (Total: 35) TWS 0223

ENGL278X **Special Topics in Literature; Theories of Text**
Contact department for information to register for this course.

ENGL280 **Introduction to the English Language**

ENGL280 Introduction to the English Language; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Facts and phenomena of the English language; basic concepts and instruments useful for the analysis of literary and rhetorical uses of English. Potential topics include the history of English, its metrics, lexical patterns, common rhetorical devices, literary genres and its role as an international language.

0101	Linda Coleman TuTh 12:30pm - 1:45pm	Seats (Total: 35) TWS 0221

ENGL281 **Standard English Grammar, Usage, and Diction**

ENGL281 Standard English Grammar, Usage, and Diction; (3 credits) Grade Method: REG/P-F/AUD.
The basic structure of written English, including parts of speech, sentence patterns, standard punctuation, diction, and usage.

0101	Nabila Hijazi TuTh 9:30am - 10:45am	Seats (Total: 35) COL 0113

ENGL282 **Introduction to Rhetorical Theory**

ENGL282 Introduction to Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Basic elements of rhetorical theory. Classical and contemporary perspectives on the nature, functions, and scope of rhetoric. Potential texts for analysis include non-fiction prose, novels, short fiction, philosophical treatises, autobiographies, biographies, and speeches.

0101	Andrew Black MWF 10:00am - 10:50am	Seats (Total: 35) TWS 0207
0201	Heather Brown TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 2117

ENGL291 **Intermediate Writing**

ENGL291 Intermediate Writing; (3 credits) Grade Method: REG/P-F/AUD.
Writing essays, the revision process, and editing techniques.

0101	Mark Hoffmann MWF 10:00am - 10:50am	Seats (Total: 22) TWS 1106

ENGL294 **Introduction to Creative Writing**

ENGL294 Introduction to Creative Writing; (3 credits) Grade Method: REG/P-F/AUD.
Writing of fiction and poetry, with special attention to elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Jacqueline Kautzer TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 1111
0201	Jocelyn Heath TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 1105
0301	David Danoff MW 2:00pm - 3:15pm	Seats (Total: 20) TWS 0205

ENGL296 **Beginning Fiction Workshop**

ENGL296 Beginning Fiction Workshop; (3 credits) Grade Method: REG/P-F/AUD.
Writing of fiction, with special attention to the elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Alison Hennessee MW 12:00pm - 1:15pm	Seats (Total: 20) SQH 1103
0201	Thomas Earles TuTh 9:30am - 10:45am	Seats (Total: 20) TWS 0214

ENGL297 **Beginning Poetry Workshop**

ENGL297 Beginning Poetry Workshop; (3 credits) Grade Method: REG/P-F/AUD.
Writing of poetry, with special attention to the elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0201	Noah Siela TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 1106

0301	Katherine Young MW 2:00pm - 3:15pm	Seats (Total: 20) TWS 1105

ENGL301 **Critical Methods in the Study of Literature**

ENGL301 Critical Methods in the Study of Literature; (3 credits) Grade Method: REG/P-F/AUD.
For English or English Education Majors, or English Minors. An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.

0101	Matthew Kirschenbaum MW 12:30pm - 1:45pm	Seats (Total: 15) TWS 3132
0108	Elizabeth McClure TuTh 11:00am - 12:15pm	Seats (Total: 25) TWS 1107
0201	David Wyatt TuTh 3:30pm - 4:45pm	Seats (Total: 25) TWS 1106
0301	Elizabeth Veisz MW 9:30am - 10:45am	Seats (Total: 25) TWS 0234
0401	Christina Walter MW 2:00pm - 3:15pm	Seats (Total: 25) TWS 0236
0501	Merle Collins TuTh 9:30am - 10:45am	Seats (Total: 25) TWS 0205
0601	Vessela Valiavitcharska TuTh 2:00pm - 3:15pm	Seats (Total: 25) TWS 1107
0701	Elizabeth Arnold MW 12:30pm - 1:45pm	Seats (Total: 25) TWS 0221
0901	Elizabeth McClure TuTh 12:30pm - 1:45pm	Seats (Total: 25) TWS 0214

ENGL302 **Medieval Literature in Translation**

ENGL302 Medieval Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Surveys major works of English and continental Middle Ages. Readings may include romance, lyric and drama, Germanic epic, works of Dante, Chretien de Troyes, Jean de Meun, Christine de Pisan, Malory, English and continental mystics.

0101	Vessela Valiavitcharska TuTh 3:30pm - 4:45pm	Seats (Total: 35) TWS 0214	

ENGL304 **The Major Works of Shakespeare**

ENGL304 The Major Works of Shakespeare; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL403 and ENGL404. Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

0101	Theodore Leinwand MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 SQH 1107	Discussion
0102	Theodore Leinwand MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 TWS 0201	Discussion
0103	Theodore Leinwand MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 24) TWS 1100 TWS 0201	Discussion
0104	Theodore Leinwand MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 24) TWS 1100 SQH 1107	Discussion

ENGL310 **Medieval and Renaissance British Literature**

ENGL310 Medieval and Renaissance British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

0101	Elizabeth Bearden	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TWS 0214

ENGL311 **British Literature from 1600 to 1800**

ENGL311 British Literature from 1600 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. The culture of seventeenth and eighteenth-century Britain seen through detailed study of selected major texts. Drama, poetry, political writings, and early novels by men and women. Authors may include Donne, Milton, Jonson, Behn, Swift, Pope, Montagu, and Wollstonecraft.

0101	Laura Rosenthal	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TWS 0207

ENGL312 **Romantic to Modern British Literature**

ENGL312 Romantic to Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major texts from the 19th and 20th centuries. Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, Woolf.

0101	Heidi Scott	Seats (Total: 35)
	MW 2:00pm - 3:15pm	TWS 0207

0201	Elizabeth McClure TuTh 3:30pm - 4:45pm	Seats (Total: 35) TWS 0236	

ENGL313 **American Literature**

ENGL313 American Literature; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department.* A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

0101	Jonathan Auerbach MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 24) TWS 1100 TWS 1105	 Discussion
0102	Jonathan Auerbach MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 1105	 Discussion
0103	Jonathan Auerbach MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 24) TWS 1100 TWS 1105	 Discussion
0104	Jonathan Auerbach MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 24) TWS 1100 TWS 1105	 Discussion

ENGL344 **Nineteenth-Century Fiction**

ENGL344 Nineteenth-Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL379A in Fall 2005 or Spring 2006.* Major British, American, and other fiction writers of the nineteenth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	Heidi Scott MW 3:30pm - 4:45pm	Seats (Total: 35) TWS 0236	

ENGL346 **Twentieth Century Fiction**

ENGL346 Twentieth Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL379B in Spring 2006.* Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	Almila Ozdek	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	TWS 1107

ENGL348F **Literary Works by Women; Women on the Frontier**

ENGL348F Literary Works by Women: Women on the Frontier; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST 348F. Prerequisite: two lower-level English courses , at least one in literature; or premission of department.

0101	Leigh Ryan	Seats (Total: 35)
	TuTh 9:30am - 10:45am	TWS 0221

ENGL359G **Special Topics in Lesbian, Gay, and Bisexual Literatures; Love, Sex and Poetry in the Long 19th Century**

ENGL359G Special Topics in Lesbian, Gay, and Bisexual Literatures: Love, Sex and Poetry in the Long 19th Century; (3 credits) Grade Method: REG/P-F/AUD. Also offered as LGBT359G. Prerequisite: two lower-level English courses, at least one in literature; or permission of department.

0101	Jason Rudy	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TWS 0205

ENGL362 **Caribbean Literature in English**

ENGL362 Caribbean Literature in English; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

0101	Merle Collins TuTh 11:00am - 12:15pm	Seats (Total: 35) TWS 0201

ENGL368B **Special Topics in the Literature of Africa and the African Diaspora; Blues and African American Folksong**

ENGL368B Special Topics in the Literature of Africa and the African Diaspora: Blues and African American Folksong; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Barry Pearson TuTh 11:00am - 12:15pm	Seats (Total: 35) TWS 1106

ENGL368T **Special Topics in the Literature of Africa and the African Diaspora; Caribbean Oral Traditions Contact department for information to register for this course.**

ENGL373 **Senior Honors Project**

ENGL373 *(PermReq)* **Senior Honors Project; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL370. For ENGL majors only. Research and writing of senior honors project. Strongly recommended for students planning graduate work.

0101	Kimberly Coles Tu 3:15pm - 5:00pm	Seats (Total: 30) TWS 0207

ENGL377 **Medieval Myth and Modern Narrative**

ENGL377 Medieval Myth and Modern Narrative; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL361. Formerly ENGL361. Literary patterns characteristic of medieval myth, epic, and romance; their continuing vitality in modern works; and links between Medieval works like "The Prose Edda", "Beowulf", "The Morte D'Arthur", "The Volsunga Saga", and "Grettis Saga" and modern narratives like Tolkien's "The Lord of the Rings".

0101	Verlyn Flieger MW 11:00am - 12:15pm	Seats (Total: 35) TWS 1106

ENGL379B **Special Topics in Literature; Contemporary Asian American Literature of the 21st Century**

ENGL379B Special Topics in Literature: Contemporary Asian American Literature of the 21st Century; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST398B.

0101	Lawrence-Minh Davis Tu 5:00pm - 7:30pm	Seats (Total: 40) ASY 3207

ENGL379F **Special Topics in Literature; Writing About Literature**

ENGL379F Special Topics in Literature: Writing About Literature; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature or permission of department. Repeatable to 9 credits if content differs.

0101	Linda Macri MW 11:00am - 12:15pm	Seats (Total: 22) TWS 0221

ENGL379G **Special Topics in Literature; African American Stories- Oral and Literay**

ENGL379G Special Topics in Literature: African American Stories- Oral and Literay; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature or permission of department. Repeatable to 9 credits if content differs.

0101	Gerald Maa MW 11:00am - 12:15pm	Seats (Total: 35) TWS 0236

ENGL379H **Special Topics in Literature; London Stage**
Contact department for information to register for this course.

ENGL379I **Special Topics in Literature; The Short Story Collection**

ENGL379I Special Topics in Literature: The Short Story Collection; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Merrill Feitell	Seats (Total: 35)
	MW 12:30pm - 1:45pm	TWS 0207

ENGL379Q **Special Topics in Literature; Film Noir and American Culture**

ENGL379Q Special Topics in Literature: Film Noir and American Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature or permission of department. Repeatable to 9 credits if content differs.

0101	Jonathan Auerbach	Seats (Total: 35)
	W 3:30pm - 7:30pm	TWS 1100

ENGL379R **Special Topics in Literature; Sexuality in the Cinema**

ENGL379R Special Topics in Literature: Sexuality in the Cinema; (3 credits)
Grade Method: REG/P-F/AUD.
Also offered as CMLT478L. Prerequisite: Two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 0236

ENGL379V **Special Topics in Literature; Gypsy Culture**

ENGL379V Special Topics in Literature: Gypsy Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498N. Prerequisite: Two lower-level English courses, at least one in literature or permission of department. Repeatable to 9 credits if content differs.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TWS 0207

ENGL379Y **Special Topics in Literature; The London Stage**
Contact department for information to register for this course.

ENGL381 **MGA Legislative Seminar**

ENGL381 *(PermReq)* **MGA Legislative Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Classroom analysis component of the Maryland General Assembly internship program.

0101	Thomas Lowderbaugh	Seats (Total: 30)
	Tu 3:30pm - 6:00pm	TWS 0223

ENGL384 **Concepts of Grammar**

ENGL384 Concepts of Grammar; (3 credits) Grade Method: REG/P-F/AUD.
Introduction to the basic units of grammatical description; motivation for and nature of constituent structure and syntactic categories; fundamental grammatical concepts employed in the teaching and learning of languages.

0101	Michael Israel	Seats (Total: 35)
	MW 3:30pm - 4:45pm	TWS 0221

ENGL388A **Writing Internship; Second Life Workshop in African American Literature**
Contact department for information to register for this course.

ENGL388D **Writing Internship; Dickinson Electronic Archives**

ENGL388D *(PermReq)* **Writing Internship: Dickinson Electronic Archives; (1-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Martha Nell Smith	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388P **Writing Internship; Preprofessional Writing Skills Internship**

ENGL388P *(PermReq)* **Writing Internship: Preprofessional Writing Skills Internship; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Jennifer Dunsmore Contact instructor or department for details.	Seats (Total: 20)

ENGL388R **Writing Internship; Romantic Circles**

ENGL388R *(PermReq)* **Writing Internship: Romantic Circles; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Instructor: TBA W 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 25) Location: TBA

ENGL388T **Writing Internship; Maryland Institute for Technology in the Humanities Internships**

ENGL388T *(PermReq)* **Writing Internship: Maryland Institute for Technology in the Humanities Internships; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 20)

ENGL388W **Writing Internship; Writing Center Internship**

ENGL388W *(PermReq)* **Writing Internship: Writing Center Internship; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Joseph Kautzer, Leigh Ryan W 3:30pm - 6:00pm	Seats (Total: 20) TWS 0214

ENGL390 **Science Writing**

ENGL390 Science Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Junior standing. Not open to students who have completed ENGL393S. Credit will be granted for only one of the following: ENGL390 or ENGL393S. Formerly ENGL393S. Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences. Satisfies professional writing requirement. Click here for more course information.

0101	Mary Shea MWF 9:00am - 9:50am	Seats (Total: 22) TWS 0224
1301	Paul Haynos Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 0230 HBK 1112
1401	Paul Haynos Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0223 MTH 1308

ENGL391 **Advanced Composition**

ENGL391 Advanced Composition; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Click here for more course information.

0101	Mark Forrester MWF 9:00am - 9:50am	Seats (Total: 22) WDS 1130
0202	Erik Turkman MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0232
0301	Monica Jacobe MF 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 22) TWS 0205 TWS 0224

0302	Erik Turkman MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0232
0402	Robert Crane MWF 12:00pm - 12:50pm	Seats (Total: 22) TLF 1103
0501	Mark Forrester MWF 1:00pm - 1:50pm	Seats (Total: 22) KEY 0124
0601	Ann Mason MW 2:00pm - 3:15pm	Seats (Total: 22) SQH 1107
0701	Ann Mason MW 3:30pm - 4:45pm	Seats (Total: 22) KEY 0120
1101	Mary Switalski TuTh 9:30am - 10:45am	Seats (Total: 22) TLF 1103
1201	Melanie Faith Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0232 KEY 0119
1202	Mary Switalski TuTh 11:00am - 12:15pm	Seats (Total: 22) ASY 3221
1301	Caroline Wilkins TuTh 12:30pm - 1:45pm	Seats (Total: 22) TWS 0234
1302	Melanie Faith Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 0232 SQH 2119
1401	Melanie Faith Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0232 SQH 2119
1501	Tyler Mills TuTh 3:30pm - 4:45pm	Seats (Total: 22) SQH 1123
1505	Tyler Mills TuTh 5:00pm - 6:15pm	Seats (Total: 22) KEY 0124

1601	Mark Fitzgerald M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232
1701	Mark Fitzgerald Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232

ENGL391H **Advanced Composition**

ENGL391H Advanced Composition; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. For students in the University or departmental Honors program. Click here for more course information.

0201	Monica Jacobe MF 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 22) TWS 1105 TWS 0224

ENGL392 **Legal Writing**

ENGL392 Legal Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters. Satisfies professional writing requirement. Click here for more course information.

0201	Robin Earnest MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0230
0301	Robin Earnest MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0230
1101	William Schatz Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) TWS 0224 WDS 1131

1201	William Schatz Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0224 WDS 1131
1301	William Schatz Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 0224 TYD 2111
1601	Michael Winett M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1801	Michael Winett W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224

ENGL393 **Technical Writing**

ENGL393 Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. The writing of technical papers and reports. Click here for more course information.

0102	Joanna Findlay MWF 9:00am - 9:50am	Seats (Total: 22) TWS 0205
0201	Joshua Edwards MWF 10:00am - 10:50am	Seats (Total: 22) WDS 1130
0202	Joanna Findlay MWF 10:00am - 10:50am	Seats (Total: 22) CHM 0122
0301	Joshua Edwards MWF 11:00am - 11:50am	Seats (Total: 22) EGR 3102
0302	Kelli Skinner Eyerly MWF 11:00am - 11:50am	Seats (Total: 22) MMH 0108
0401	Kelli Skinner Eyerly MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2121
0402	Joshua Edwards MWF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0118

0502	Joshua Edwards MWF 1:00pm - 1:50pm	Seats (Total: 22) PHY 4220
0503	Kelli Skinner Eyerly MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1119
0601	Richie Crider MW 2:00pm - 3:15pm	Seats (Total: 22) EGR 3102
0602	Louis Eisenhauer MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 0230
0701	Richie Crider MW 3:30pm - 4:45pm	Seats (Total: 22) BPS 0283
0702	Donald McNeilly MW 3:30pm - 4:45pm	Seats (Total: 22) SQH 1103
0801	Ann Mason MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 1106
0802	Louis Eisenhauer MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0230
1101	Kelly Cresap TuTh 9:30am - 10:45am	Seats (Total: 22) HBK 0115
1102	Paul Haynos Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) SQH 2119 TWS 0230
1201	Connie Inukai Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) WDS 1131 TWS 0224
1203	Mark Arnold Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) WDS 1127 TWS 0232

1302	Connie Inukai Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) SQH 2119 TWS 0224
1303	Kelly Cresap TuTh 12:30pm - 1:45pm	Seats (Total: 22) PHY 4220
1401	Daniel Saalfeld Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0230 SQH 1111
1402	Mark Arnold Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) ASY 3203 TWS 0232
1501	Daniel Saalfeld Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) TWS 0230 SQH 1111
1502	Michelle Von Euw TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 0232
1505	Michelle Von Euw TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 0232
1601	Kenneth Keiser M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
1602	Donald McNeilly M 6:30pm - 9:10pm	Seats (Total: 22) SQH 1107
1701	Daniel Saalfeld Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1801	Donald McNeilly W 6:30pm - 9:10pm	Seats (Total: 22) SQH 1111
1901	Alexandra Calloway Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0223

ENGL393H Technical Writing

ENGL393H Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. For students who are exempt from ENGL101 or who are in the University departmental Honors program. Click here for more course information.

0701	Louis Eisenhauer MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0230

ENGL393X **Technical Writing**

ENGL393X Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Limited to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X. Click here for more course information.

1101	Connie Inukai Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 18) WDS 1131 TWS 0224

ENGL394 **Business Writing**

ENGL394 Business Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style. Click here for more course information.

0101	Mary Turner MWF 9:00am - 9:50am	Seats (Total: 22) ASY 3221
0102	Katherine Wilson MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1123
0201	Katherine Wilson MWF 10:00am - 10:50am	Seats (Total: 22) SQH 1107

0301	Mary Turner MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1111
0401	Mary Turner MWF 12:00pm - 12:50pm	Seats (Total: 22) SKN 1112
0402	Ceil Goldberg MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0224
0501	Ceil Goldberg MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0224
0601	Ceil Goldberg MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 0224
0701	Reiner Prochaska MW 3:30pm - 4:45pm	Seats (Total: 22) SQH 2121
0801	Reiner Prochaska MW 5:00pm - 6:15pm	Seats (Total: 22) SQH 1103
1101	Rosalia Saklas TuTh 9:30am - 10:45am	Seats (Total: 22) HJP 1229
1102	Clare Parsons TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 2121
1201	Karen Angeline TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2117
1202	Frederick Bolton TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0124
1301	Karen Angeline TuTh 12:30pm - 1:45pm	Seats (Total: 22) WDS 1127
1302	Rosalia Saklas TuTh 12:30pm - 1:45pm	Seats (Total: 22) HBK 1108
1303	Clare Parsons TuTh 12:30pm - 1:45pm	Seats (Total: 22) PLS 1146

1401	Thomas Lowderbaugh Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0224 ASY 3203
1402	Frederick Bolton TuTh 2:00pm - 3:15pm	Seats (Total: 22) LEF 1222
1403	Rebecca Holden Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) SQH 2119 TWS 0224
1501	Rebecca Holden Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) SQH 1111 TWS 0230
1502	William Schatz TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 0224
1505	Ellen Blumner TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 0230
1506	Mary Turner TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 1105
1701	Ellen Blumner Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
1801	Elizabeth Fixsen W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
1901	Ellen Blumner Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
SG91	Aparajita De TuTh 9:30am - 10:45am	Seats (Total: 22) SGII 3012
	Registration is restricted to BMGT-Shady Grove International Business majors with fewer than 75 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

SG92	Adam Lloyd TuTh 11:00am - 12:15pm	Seats (Total: 22) SGII 3012
	Registration is restricted to BMGT- Shady Grove International Business and Marketing majors with fewer than 75 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Adam Lloyd TuTh 2:00pm - 3:15pm	Seats (Total: 22) SGII 3012
	Registration is restricted to BMGT- Shady Grove Marketing majors with fewer than 75 credits. Others students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ENGL395 **Writing for Health Professions**

ENGL395 Writing for Health Professions; (3 credits) Grade Method: REG. *Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.* Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness. Click here for more course information.

0601	Joseph Wappel MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 0232
0701	Joseph Wappel MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0232
0801	Joseph Wappel MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0232
1201	Walter Knorr Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TYD 0111 TWS 0230
1301	Arthur Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0119
1401	Walter Knorr Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) SQH 1111 TWS 0230

1501	Arthur Reynolds TuTh 3:30pm - 4:45pm	Seats (Total: 22) KEY 0124
1505	Arthur Reynolds TuTh 5:00pm - 6:15pm	Seats (Total: 22) WDS 1131

ENGL396 **Intermediate Fiction Workshop**

FOR MORE PROFESSIONAL WRITING CLASSES SEE ENGL398*.

ENGL396 *(PermReq)* **Intermediate Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: permission of department. Practice in the craft of writing fiction, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format.

0101	Willie Davis MW 3:30pm - 4:45pm	Seats (Total: 15) TWS 3134

ENGL397 **Intermediate Poetry Workshop**

ENGL397 *(PermReq)* **Intermediate Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: permission of department. Practice in the craft of writing poetry, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format.

0101	Donald Berger TuTh 11:00am - 12:15pm	Seats (Total: 15) TWS 0234

ENGL398A **Topics in Professional Writing; Writing for the Arts**

ENGL398A Topics in Professional Writing: Writing for the Arts; (3 credits) Grade Method: REG.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL391A. Credit will be granted for only one of the following: ENGL398A or ENGL391A. Formerly ENGL391A. An advanced composition course which emphasizes writing about the arts. Click here for more course information.

1101	Caroline Wilkins TuTh 9:30am - 10:45am	Seats (Total: 22) ARC 1101
1201	Caroline Wilkins TuTh 11:00am - 12:15pm	Seats (Total: 22) COL 3110

ENGL398C **Topics in Professional Writing; Writing Case Studies and Narratives**

ENGL398C Topics in Professional Writing: Writing Case Studies and Narratives; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes writing cases and investigative reports. Click here for more course information.

0401	Joanna Findlay MWF 12:00pm - 12:50pm	Seats (Total: 22) HBK 1108

ENGL398E **Topics in Professional Writing; Writing about Economics**

ENGL398E Topics in Professional Writing: Writing about Economics; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394E. Credit will be granted for only one of the following : ENGL398E or ENGL394E. Formerly ENGL394E. A business writing class focusing on writing about economics. Click here for more course information.

0801	Michael Winett MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0224

ENGL398L **Topics in Professional Writing; Scholarly Writing in the Humanities**

ENGL398L Topics in Professional Writing: Scholarly Writing in the Humanities; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition class focusing on the norms and procedures of advanced academic writing. Click here for more course information.

0301	Mark Forrester MWF 11:00am - 11:50am	Seats (Total: 22) WDS 1131

ENGL398N **Topics in Professional Writing; Writing for Non-Profit Organizations**

ENGL398N Topics in Professional Writing: Writing for Non-Profit Organizations; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394N. Credit will be granted for only one of the following ENGL398N or ENGL394N. Formerly ENGL394N. A busniness writing class focusinog on writing about nonprofits. Click here for more course information.

1101	Todd Solomon Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) TWS 0230 SQH 2119
1201	Todd Solomon Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0230 WDS 1127

ENGL398R **Topics in Professional Writing; Writing Non-Fictional Narratives**

ENGL398R Topics in Professional Writing: Writing Non-Fictional Narratives; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion fo ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL391N. Credit will be granted for only one of the following: ENGL398R or ENGL391N. Formerly ENGL391N. An advanced composition course which emphasizes nonfiction narrative writing. Click here for more course information.

0101	Pamela Gerhardt MWF 9:00am - 9:50am	Seats (Total: 22) TWS 0214

ENGL398V **Topics in Professional Writing; Writing about the Environment**

ENGL398V Topics in Professional Writing: Writing about the Environment; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL393E. Credit will be granted for only one of the following ENGL398V or ENGL393E. Formerly ENGL393E. Click here for more course information.

0201	Mary Shea MF 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 22) TWS 0224 TWS 1105
0301	Mary Shea MF 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 22) TWS 0224 TWS 0205

ENGL402 **Chaucer**

ENGL402 Chaucer; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Works read in Middle English. Readings may include Canterbury Tales, Troilus and Criseyde, dream visions, lyrics.

0101	Thomas Moser TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 0234

ENGL403 **Shakespeare: The Early Works**

ENGL403 Shakespeare: The Early Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected works from the first half of Shakespeare's career. Generic issues of early histories, comedies, tragedies. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Amy Scott-Douglass TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 0201

ENGL404 **Shakespeare: The Later Works**

ENGL404 Shakespeare: The Later Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected plays from the second half of Shakespeare's career. Generic issues of later tragedies, later comedies, romances. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Maynard Mack MW 2:00pm - 3:15pm	Seats (Total: 70) TWS 1100

ENGL407 **Non-dramatic Literature of the Sixteenth Century**

ENGL407 Non-dramatic Literature of the Sixteenth Century; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Poetic and prose genres--utopia, epic, narrative, lyric, sonnet, oration, epistle, sermon, apologia--in context of the literary and intellectual life of the sixteenth century. Writers such as More, Wyatt, Surrey, Sidney, and Spenser.

0101	Elizabeth Bearden TuTh 2:00pm - 3:15pm	Seats (Total: 30) TWS 0214

ENGL408A **Literature by Women Before 1800; Coming Into Print**

ENGL408A Literature by Women Before 1800: Coming Into Print; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature or permission of department.

0101	Jane Donawerth TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0236

ENGL420 **English Romantic Literature**

ENGL420 English Romantic Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower level English courses, at least one in literature; or permission of department. British poetry, drama, fiction, and criticism c.1790 to c.1830, a period of dramatic social change and revolution in literature, philosophy, the arts, industry, and politics. Authors include Austen, Wordsworth, Coleridge, Keats, Byron, Percy, and Mary Shelley.

0101	Orrin Wang MW 3:30pm - 4:45pm	Seats (Total: 30) TWS 1107

ENGL422 **English Victorian Literature**

ENGL422 English Victorian Literature; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower level English courses, at least one in literature; or permission of department.* A survey of English literature of the Victorian period. Writers may include Arnold, Browning, Tennyson, Dickens, George Eliot, Carlyle, Ruskin, Newman, Wilde.

0101	Jason Rudy TuTh 2:00pm - 3:15pm	Seats (Total: 30) TWS 0234

ENGL425 **Modern British Literature**

ENGL425 Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two English courses in literature or permission of department.* Major Modernist writers in English prose and poetry since 1900. Such writers as Eliot, Larkin, Forster, Burgess, Durrell, Henry Green, Golding, Auden, Malcolm Lowry, Joyce, and Yeats.

0101	Christina Walter MW 12:30pm - 1:45pm	Seats (Total: 30) TWS 0234

ENGL428X **Seminar in Language and Literature; Gothic Literature: Darkness in the Enlightenment**

ENGL428X *(PermReq)* **Seminar in Language and Literature: Gothic Literature: Darkness in the Enlightenment; (3 credits)** Grade Method: REG/P-F/AUD. Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course restricted to English Honors Program. Permission from the Director of Honors required.

0101	Laura Rosenthal TuTh 11:00am - 12:15pm	Seats (Total: 20) TWS 3136

ENGL428Y **Seminar in Language and Literature; How To Tell a True War Story**

ENGL428Y Seminar in Language and Literature: How To Tell a True War Story; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if conten t differs. Course restricted to English Honors Program. Permission from the Director of Honors required.

0101	Maud Casey MW 2:00pm - 3:15pm	Seats (Total: 20) TWS 3134

ENGL429 **Independent Research in English**

ENGL429 *(PermReq)* **Independent Research in English; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

Contact department for information to register for this course.

ENGL432 **American Literature: 1865 to 1914, Realism and Naturalism**

ENGL432 American Literature: 1865 to 1914, Realism and Naturalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Reconstruction, Realism, Naturalism. Representative writers such as Dickinson, James, Dreiser.

0101	Eleanor Heginbotham TuTh 3:30pm - 4:45pm	Seats (Total: 30) TWS 0234

ENGL438D **Major American Writers before 1865; Dickinson and Whitman**

ENGL438D Major American Writers before 1865: Dickinson and Whitman; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature or permission of department.

0101	Martha Nell Smith MW 2:00pm - 3:15pm	Seats (Total: 30) TWS 1106

ENGL439F **Major American Writers after 1865; Faulkner and His Literary Heirs**

ENGL439F Major American Writers after 1865: Faulkner and His Literary Heirs; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature or permission of department.

0101	David Wyatt	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TWS 1106

ENGL440 **The Novel in America to 1914**

ENGL440 The Novel in America to 1914; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Survey of the American novel to World War I. Cultural and philosophical contexts; technical developments in the genre. Authors such as Melville, Wells Brown, James, Sedgwick, Chopin.

0101	John Auchard	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TWS 0205

ENGL445 **Modern British and American Poetry**

ENGL445 Modern British and American Poetry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. The formation of Modernism in British and American poetry before 1930. Such poets as Yeats, Pound, H.D., Eliot, Langston Hughes, Moore, Stevens, and Williams.

0101	Richard Cross	Seats (Total: 30)
	MW 11:00am - 12:15pm	TWS 0201

ENGL448A **Literature by Women of Color; Caribbean Literature by Women**

ENGL448A Literature by Women of Color: Caribbean Literature by Women; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature or permission of department.

0101	Merle Collins	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	TWS 1100

ENGL451 **Renaissance Drama II**

ENGL451 Renaissance Drama II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Drama in early decades of the seventeenth century. Playwrights include Jonson, Middleton, Marston, Webster, Beaumont and Fletcher. Tragedy, city comedy, tragicomedy, satire, masque. Pre-Civil War theatrical, political, and religious contexts.

0101	Theodore Leinwand	Seats (Total: 30)
	MW 9:30am - 10:45am	TWS 0201

ENGL454 **Modern Drama**

ENGL454 Modern Drama; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. The roots of European Modernism and its manifestation in the drama of the twentieth century. Such playwrights as Beckett, Churchill, Stoppard, Wilde, Chekhov, Ibsen, Brecht, O'Neill, Sartre, Anouilh, Williams, and Shaw.

Contact department for information to register for this course.

ENGL456 **The Nineteenth-Century English Novel**
Contact department for information to register for this course.

ENGL466 **Arthurian Legend**

ENGL466 Arthurian Legend; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Development of Arthurian legend in English and continental literature from Middle Ages to twentieth century. All readings in modern English.

0101	Verlyn Flieger	Seats (Total: 70)
	MW 2:00pm - 3:15pm	COL 3109

ENGL471 **African-American Literature: 1910-1945**

ENGL471 African-American Literature: 1910-1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Emergence of modernism in African-American writing including debates over the definition of unique African-American aesthetics, with emphasis on conditions surrounding the production of African-American literatures.

0101	Zita Nunes TuTh 3:30pm - 4:45pm	Seats (Total: 30) TWS 0221

ENGL479M **Selected Topics in English and American Literature after 1800; Roots Music and Film**

ENGL479M Selected Topics in English and American Literature after 1800: Roots Music and Film; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses in literature or permission of department.

0101	Barry Pearson TuTh 2:00pm - 3:15pm	Seats (Total: 30) TWS 0221

ENGL479Y **Selected Topics in English and American Literature after 1800; Contemporary English Novel**
Contact department for information to register for this course.

ENGL488F **Topics in Advanced Writing; Visual Rhetoric**

ENGL488F Topics in Advanced Writing: Visual Rhetoric; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses in literature or permission of department.

0101	Jeanne Fahnestock TuTh 2:00pm - 3:15pm	Seats (Total: 30) TWS 0201

ENGL489R **Special Topics in English Language; The Rhetoric of Grammar**

ENGL489R Special Topics in English Language: The Rhetoric of Grammar; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature or permission of department.
Repeatable to 9 credits if content differs.

0101	Michael Israel MW 12:30pm - 1:45pm	Seats (Total: 30) TWS 0201

ENGL493 **Advanced Expository Writing**

ENGL493 Advanced Expository Writing; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: satisfactory completion of professional writing requirement.* Writing processes and documents most necessary for professional writers.

0101	Jeanne Fahnestock	Seats (Total: 22)
	TuTh 12:30pm - 1:45pm	TWS 1107

ENGL494 **Editing and Document Design**

ENGL494 Editing and Document Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL391, ENGL393 or equivalent. Principles of general editing for clarity, precision and correctness. Applications of the conventions of grammar, spelling, punctuation and usage, and organization for logic and accuracy. Working knowledge of the professional vocabulary of editing applied throughout the course.

0101	Lea Chartock	Seats (Total: 25)
	MW 2:00pm - 3:15pm	TWS 0214

ENGL495 **Independent Study in Honors**

ENGL495 *(PermReq)* **Independent Study in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: Candidacy for honors in English and ENGL370 and ENGL373. For ENGL majors only. Completion and presentation of the senior honors project. For English honors students by permission of the department.

Contact department for information to register for this course.

ENGL498 **Advanced Fiction Workshop**

ENGL498 *(PermReq)* **Advanced Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Howard Norman	Seats (Total: 15)
	Tu 12:30pm - 3:00pm	TWS 3248

ENGL499 **Advanced Poetry Workshop**

ENGL499 *(PermReq)* **Advanced Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Elizabeth Arnold M 2:00pm - 4:35pm	Seats (Total: 15) TWS 3248

ENGL600 **Introduction to the Discipline**

ENGL600 Introduction to the Discipline; (0.5 credits) Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Kandice Chuh Contact instructor or department for details.	Seats (Total: 25)

ENGL601 **Literary Research and Critical Contexts**

ENGL601 Literary Research and Critical Contexts; (3 credits) Grade Method: REG/AUD.
For English majors only.

0101	Theresa Coletti Tu 3:30pm - 6:00pm	Seats (Total: 18) TWS 3132

ENGL602 **Critical Theory and Literary Criticism**

ENGL602 Critical Theory and Literary Criticism; (3 credits) Grade Method: REG/AUD.
An introduction to critical theory and literary criticism, with an overview of major movements (including formalism, structuralism and poststructuralism, Marxism, psychoanalysis, and feminism). Designed to help graduate students assess the various ways of approaching and writing about literature. For English majors only.

0201	Orrin Wang W 6:30pm - 9:00pm	Seats (Total: 18) TWS 3136

ENGL605 **Readings in Linguistics**

ENGL605 Readings in Linguistics; (3 credits) Grade Method: REG/AUD.
A survey of theoretical and applied linguistics.

0101	Linda Coleman Th 3:30pm - 6:00pm	Seats (Total: 18) TWS 0205

ENGL611 **Approaches to College Composition**

ENGL611 *(PermReq)* **Approaches to College Composition; (3 credits)** Grade Method: REG/AUD.
Required for graduate assistants (optional to other graduate students). Prerequisite: permission of department. A seminar emphasizing rhetorical and linguistic foundations for the handling of a course in freshman composition.

0101	Shirley Logan M 3:30pm - 6:00pm	Seats (Total: 18) TWS 0205

ENGL621 **Readings in Renaissance English Literature**

ENGL621 Readings in Renaissance English Literature; (3 credits) Grade Method: REG/AUD.

0101	Kimberly Coles Th 3:30pm - 6:00pm	Seats (Total: 18) TWS 0201

ENGL628L **Readings in African American Literature; The Long Harlem Renaissance**

ENGL628L Readings in African American Literature: The Long Harlem Renaissance; (3 credits) Grade Method: REG/AUD.

0101	Keguro Macharia Tu 6:30pm - 9:00pm	Seats (Total: 18) TWS 0205

ENGL630 **Readings in 20th Century English Literature**

ENGL630 Readings in 20th Century English Literature; (3 credits) Grade Method: REG/AUD.

0101	Richard Cross M 3:30pm - 6:00pm	Seats (Total: 18) TWS 1105

ENGL688 **Poetry Workshop**

ENGL688 *(PermReq)* **Poetry Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Michael Collier W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3248
0201	Elizabeth Arnold W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3132

ENGL689 **Fiction Workshop**

ENGL689 *(PermReq)* **Fiction Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Merrill Feitell W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3250
0201	William Lewis W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3252

ENGL689A **Fiction Workshop**

ENGL689A Fiction Workshop; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA Tu 3:30pm - 6:15pm	Seats (Total: 20) TYD 1108

ENGL699 **Independent Study**

ENGL699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL719A **Seminar in Renaissance Literature; Attending to Early Modern Women**

ENGL719A *(PermReq)* **Seminar in Renaissance Literature: Attending to Early Modern Women; (3 credits)** Grade Method: REG/AUD.
Department permission required.

0101	Jane Donawerth Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3252

ENGL738B **Seminar in Nineteenth-Century Literature; The Romantic Lyric: Modernism in Wordsworth, Coleridge, Shelley and Keats**

ENGL738B *(PermReq)* **Seminar in Nineteenth-Century Literature: The Romantic Lyric: Modernism in Wordsworth, Coleridge, Shelley and Keats; (3 credits)** Grade Method: REG/AUD.
Permission of department required.

0101	Stanley Plumly Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3134

ENGL748B **Seminar in American Literature; The Devil and the New World: Religion, Science and Colonial ism in the Early Modern Atlantic World**

ENGL748B *(PermReq)* **Seminar in American Literature: The Devil and the New World: Religion, Science and Colonial ism in the Early Modern Atlantic World; (3 credits)** Grade Method: REG/AUD.

0101	Ralph Bauer Th 7:00pm - 9:30pm	Seats (Total: 15) TWS 3132

ENGL748C **Seminar in American Literature; Incommensurate Beauty, or, Aesthetic Inquiry and Minority Discourse in U.S. American Literary Studies**

ENGL748C *(PermReq)* **Seminar in American Literature: Incommensurate Beauty, or, Aesthetic Inquiry and Minority Discourse in U.S. American Literary Studies; (3 credits)** Grade Method: REG/AUD.
Permission of department required.

0101	Kandice Chuh M 6:30pm - 9:00pm	Seats (Total: 15) TWS 3248

ENGL748D **Seminar in American Literature; Archives. Media. Dickinson. Poetry**

ENGL748D *(PermReq)* **Seminar in American Literature: Archives. Media. Dickinson. Poetry; (3 credits)** Grade Method: REG/AUD.

0101	Martha Nell Smith M 3:30pm - 6:00pm	Seats (Total: 15) TWS 3252

ENGL789A **Form and Theory in Fiction; A Seminar in Narrative Strategies in International Fiction**

ENGL789A *(PermReq)* **Form and Theory in Fiction: A Seminar in Narrative Strategies in International Fiction; (3 credits)** Grade Method: REG/AUD.

0101	Howard Norman	Seats (Total: 15)
	Th 3:30pm - 6:00pm	TWS 3248

ENGL798B **Critical Theory Colloquium**

ENGL798B *(PermReq)* **Critical Theory Colloquium; (1 credit)** Grade Method: REG/AUD.

0101	Tita Chico	Seats (Total: 15)
	Contact instructor or department for details.	

ENGL799 **Master's Thesis Research**

ENGL799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL809 **Publications Workshop**

ENGL809 *(PermReq)* **Publications Workshop; (1-2 credits)** Grade Method: REG/AUD.

0101	Jonathan Auerbach	Seats (Total: 12)
	Contact instructor or department for details.	

ENGL878 **Pedagogical Mentoring for Doctoral Students**

ENGL878 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL898 **Pre-Candidacy Research**

ENGL898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL899 **Doctoral Dissertation Research**

ENGL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA Engineering, Materials Fall 2009

ENMA150 **Materials of Civilization**

ENMA150 Materials of Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
The discovery of new materials has shaped history and built civilizations. The utilization, properties and production techniques of materials from the Bronze Age up through modern times and into the future will be traced. These materials are explained by considering their atomic structure, the binding forces between atoms and their arrangement, and how controlling the structure controls the materials properties.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Robert Briber	Seats (Total: 80)
	TuTh 3:30pm - 4:45pm	CHE 2110

ENMA300 **Introduction to Materials and their Applications**

ENMA300 Introduction to Materials and their Applications; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES100 or permission of department. Corequisite: MATH241. Recommended: PHYS260 and PHYS261. Not open to students who have completed ENES230. Credit will be granted for only one of the following: ENES230 or ENMA300.
Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Isabel Lloyd TuTh 11:00am - 12:15pm	Seats (Total: 45) CHE 2108	
0201	Sreeramamurthy Ankem TuTh 11:00am - 12:15pm	Seats (Total: 45) ANS 0412	

ENMA310 **Materials Laboratory I: Structural Characterization**

ENMA310 *(PermReq)* **Materials Laboratory I: Structural Characterization; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Corequisite: ENMA460. Junior standing. Characterization of the structure of materials including both single crystal and polycrystalline materials. Laboratories will include x-ray and electron diffraction and microscopy.

0101	Luz Martinez-Miranda Tu 2:00pm - 3:15pm MW 9:00am - 12:00pm	Seats (Total: 20) CHE 2145 CHE 2118	 Lab

ENMA362 **Mechanical Properties**

ENMA362 Mechanical Properties; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Junior standing or permission of department. Fundamentals of mechanical behavior in materials. Elastic behavior, dislocations, strengthening, high temperature deformation, deformation of noncrystalline materials, tensile fracture and fatigue.

0101	Sreeramamurthy Ankem MW 1:00pm - 2:15pm Tu 9:00am - 11:00am	Seats (Total: 15) CHE 2140 KEB 1135	 Lab

ENMA422 **Radiation Effects of Materials**

ENMA422 Radiation Effects of Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENNU215, ENNU310, or ENMA300; or permission of department. Credit will be granted for only one of the following: ENMA422 or ENMA489E. Formerly ENMA489E. Ionizing radiation, radiation dosimetry and sensors, radiation processing, radiation effects on: polymers, metals, semiconductors, liquids, and gases. Radiation in advanced manufacturing, radiation-physical technology.

0101	Mohamad Al-Sheikhly TuTh 12:30pm - 1:45pm	Seats (Total: 25) EGR 1108

ENMA441 **Nanotechnology Characterization**

ENMA441 Nanotechnology Characterization; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Senior standing. Credit will be granted for only one of the following: ENMA489T or ENMA441. Formerly ENMA489T. Techniques to characterize structure, forces, composition and transport at the nanoscale are covered. Underlying principles, instrumentation, capabilities and limitations are discussed for scanning tunneling microscopy and spectroscopy, force microscopies, electron optical microscopies and scattering techniques. Examples from the recent literature are discussed through in-class presentations and guest lectures.

0101	Raymond Phaneuf TuTh 3:30pm - 4:45pm	Seats (Total: 15) CHE 2145

ENMA460 **Physics of Solid Materials**

ENMA460 Physics of Solid Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH241 and (PHYS270 and 271 {Formerly PHYS263}). Junior standing. For ENMA majors only. Also offered as PHYS431. Credit will be granted for only one of the following: ENMA460 or PHYS431. Classes of materials; introduction to basic ideal and real materials' behavior including mechanical, electrical, thermal, magnetic and optical responses of materials; importance of microstructure in behavior. One application of each property will be discussed in detail.

0101	Ichiro Takeuchi MW 3:30pm - 4:45pm	Seats (Total: 33) CHM 1228

ENMA463 **Macroprocessing of Materials**

ENMA463 Macroprocessing of Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Junior standing. Processing of modern, bulk engineering materials. Raw materials, forming, firing, finishing and joining. More emphasis on metals and ceramics than polymers.

0101	Aristos Christou	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CHE 2118

ENMA466 **Materials Fabrication Laboratory**

ENMA466 *(PermReq)* **Materials Fabrication Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Gary Rubloff, James O'Connor	Seats (Total: 10)
	M 10:00am - 1:00pm	KEB 3148

ENMA471 **Kinetics, Diffusion and Phase Transformations**

ENMA471 *(PermReq)* **Kinetics, Diffusion and Phase Transformations; (3 credits)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: ENMA461. Junior standing or permission of department. Fundamentals of diffusion, the kinetics of reactions including nucleation and growth and phase transformations in materials. Also offered as ENPM 663.

0101	Manfred Wuttig	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	CHE 2116

ENMA489G **Selected Topics in Engineering Materials; Nanosized Materials**

ENMA489G Selected Topics in Engineering Materials: Nanosized Materials; (3 credits) Grade Method: REG/P-F/AUD.

0101	Oded Rabin	Seats (Total: 10)
	MW 2:00pm - 3:15pm	CHE 2145

ENMA495 **Polymeric Engineering Materials I**

ENMA495 Polymeric Engineering Materials I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Also offered as ENCH490. Credit will be granted for only one of the following: ENCH490 or ENMA495. Study of polymeric engineering materials and the relationship to structural type. Elasticity, viscoelasticity, anelasticity and plasticity of single and multiphase materials. Emphasis is on polymetric materials.

0101	Kyu Yong Choi	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CHE 2136

ENMA499 **Senior Laboratory Project**

ENMA499 Senior Laboratory Project; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Luz Martinez-Miranda	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA624 **Radiation Engineering**

ENMA624 Radiation Engineering; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA624 or ENMA698E. Formerly ENMA698E. Ionizing radiation, radiation dosimetry and sensors, radiation processing, radiation effects on ; polymers, metals, semiconductors, liquid, and gas, radiation in advance manufacturing, radiation-physical technology.

0101	Mohamad Al-Sheikhly	Seats (Total: 5)
	TuTh 12:30pm - 1:45pm	EGR 1108

ENMA641 **Nanotechnology Characterization**

ENMA641 Nanotechnology Characterization; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA698T or ENMA641. Formerly ENMA698T. Techniques to characterize the properties of materials whose characteristic dimensions are a few to a few hundred nanometers, including conventional nanocrystalline materials, but concentrating on novel nanomaterials: carbon nanotubes, quantum dots, quantum wires, and quantum wells are covered. The emphasis is on recent results from the scientific literature concerning those properties that make nanostructures interesting: quantum effects, novel transport phenomena, enhanced mechanical properties associated with localization and with small crystallite size.

0101	Raymond Phaneuf	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	CHE 2145

ENMA650 **Nanometer Structure of Materials**

ENMA650 *(PermReq)* **Nanometer Structure of Materials; (3 credits)** Grade Method: REG/AUD.

Prerequisite: ENMA 470 or equivalent. The basic concepts required for understanding nanostructured materials and their behavior will be covered. Topics covered include the structural aspects of crystalline and amorphous solids and relationships to bonding types, point and space groups. Summary of diffraction theory and practice. The reciprocal lattice. Relationships of the microscopically measured properties to crystal symmetry. Structural aspects of defects in crystalline solids.

0101	Gottlieb Oehrlein	Seats (Total: 29)
	MW 5:00pm - 6:15pm	CHE 2110

ENMA660 **Thermodynamics in Materials Science**

ENMA660 Thermodynamics in Materials Science; (3 credits) Grade Method: REG/AUD.

Prerequisite: permission of department. Corequisite: ENMA 650. Thermodynamics of engineering solids. Thermal, diffusional and mechanical interactions in macroscopic systems. Systems in thermal contact, systems in thermal and diffusive contact, systems in thermal and mechanical contact.

0101	Alexander Roytburd	Seats (Total: 28)
	MW 3:30pm - 4:45pm	CHE 2145

ENMA680 **Experimental Methods in Materials Science**

ENMA680 Experimental Methods in Materials Science; (3 credits) Grade Method: REG/AUD.

Prerequisite: ENMA 650. Methods of measuring the structural aspects of materials. Optical and electron microscopy. Resonance methods. Electrical, optical and magnetic measurement techniques. Thermodynamic methods.

0101	Lourdes Salamanca-Riba	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	Location: TBA

ENMA683 **Structural Determination Laboratory**

ENMA683 *(PermReq)* **Structural Determination Laboratory; (1 credit)** Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA698L or ENMA683. Formerly ENMA698L. The operation of an electron microscope is covered. TEM techniques that are used to characterize the structure, defects and composition of a sample are presented and used to study a variety of materials. These techniques are: electron diffraction patterns, bright/dark field imaging, high resolution lattic imaging and energy dispersive x-ray spectroscopy. Also covers different sample preparation techniques for TEM. The goal is that the students become independent users of the TEM.

0101	Lourdes Salamanca-Riba Th 9:30am - 11:30am	Seats (Total: 5) KEB 1237	Lab
0201	Lourdes Salamanca-Riba F 2:00pm - 4:00pm	Seats (Total: 5) KEB 1237	Lab
0301	Wen-An Chiou Tu 9:30am - 11:30am	Seats (Total: 5) KEB 1237	Lab

ENMA688 **Seminar in Materials Science and Engineering**

ENMA688 Seminar in Materials Science and Engineering; (1 credit) Grade Method: REG/AUD.

0101	Joonil Seog, Ichiro Takeuchi F 1:00pm - 2:30pm	Seats (Total: 28) CHE 2108

ENMA698 **Special Problems in Materials Science and Engineering**

ENMA698 *(PermReq)* **Special Problems in Materials Science and Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA698G **Special Problems in Materials Science and Engineering; Advanced Nanosized Materials**

ENMA698G Special Problems in Materials Science and Engineering: Advanced Nanosized Materials; (3 credits) Grade Method: REG/AUD.

0101	Oded Rabin MW 2:00pm - 3:15pm	Seats (Total: 18) CHE 2145

ENMA698M **Special Problems in Materials Science and Engineering; Reliability Engineering**

ENMA698M Special Problems in Materials Science and Engineering: RELIABILITY ENGINEERING; (3 credits) Grade Method: REG/AUD.

0101	Aristos Christou M 3:30pm - 6:10pm	Seats (Total: 40) EGR 2107
ER01	Aristos Christou Class time/details on ELMs	Seats (Total: 20) ONLINE
RE01	Aristos Christou Contact instructor or department for details.	Seats (Total: 10)

ENMA799 **Master's Thesis Research**

ENMA799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

ENMA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

ENMA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME Engineering, Mechanical Fall 2009

ENME201 **Careers in Mechanical Engineering**

ENME201 Careers in Mechanical Engineering; (1 credit) Grade Method: S-F. The Mechanical Engineering Curriculum, Career Paths. Research areas in the Mechanical Engineering Department. The Mechanical Engineering Profession.

0101	David Bigio Th 12:30pm - 1:30pm	Seats (Total: 65) EGR 1202	

ENME232 **Thermodynamics**

ENME232 *(PermReq)* **Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS260 and PHYS261 (Formerly: PHYS262).* Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	K Radermacher MW 10:00am - 10:50am M 1:00pm - 2:50pm	Seats (Total: 30) CHE 2108 JMP 1109	 Lab
0102	K Radermacher MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 30) CHE 2108 JMP 1109	 Lab
0103	K Radermacher MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 30) CHE 2108 EGR 0110	 Lab

ENME271 **Introduction to Matlab**

ENME271 *(PermReq)* **Introduction to Matlab; (3 credits)** Grade Method: REG. *Prerequisite: ENES221.* Develop the skills to generate readable, compact and verifiably correct MATLAB scripts and functions to obtain numerical solutions to a wide range of engineering models and to display the results with fully annotated graphics. Learn structured programming.

0101	Tien-Mo Shih MW 11:00am - 11:50am F 1:00pm - 2:50pm	Seats (Total: 35) JMP 3201 KEB 2111	 Discussion

0201	Tien-Mo Shih MW 11:00am - 11:50am M 1:00pm - 2:50pm	Seats (Total: 35) JMP 3201 KEB 2111	 Discussion

ENME320 **Thermodynamics**

ENME320 *(PermReq)* **Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: MATH141; and {PHYS260 and PHYS261 (Formerly: PHYS262)}.* The properties, characteristics and fundamental equations of gases and vapors. Application of the first and second laws of thermodynamics in the analysis of basic heat engines, air compression vapor cycles. Flow and non-flow processes for gases and vapors.

0201	Greg Jackson TuTh 11:00am - 12:15pm	Seats (Total: 40) PLS 1119	

ENME331 **Fluid Mechanics**

ENME331 *(PermReq)* **Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENME232 and ENES221.* Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Ilias Balaras, Amir Riaz MW 12:00pm - 12:50pm Tu 1:00pm - 2:50pm	Seats (Total: 40) EGR 1202 CSS 1113	 Lab
0102	Amir Riaz, Ilias Balaras MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 40) EGR 1202 SYM 0200	 Lab
0103	Amir Riaz, Ilias Balaras MW 12:00pm - 12:50pm Th 1:00pm - 2:50pm	Seats (Total: 35) EGR 1202 CSS 1113	 Lab
0104	Amir Riaz, Ilias Balaras MW 12:00pm - 12:50pm M 1:00pm - 2:50pm	Seats (Total: 35) EGR 1202 EGR 0110	 Lab

ENME332 **Transfer Processes**

ENME332 *(PermReq)* **Transfer Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME331. The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Jungho Kim MW 9:00am - 9:50am Tu 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 MTH 0201	Lab
0102	Jungho Kim MW 9:00am - 9:50am W 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 MTH 0201	Lab
0103	Jungho Kim MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 PHY 4208	Lab

ENME350 **Electronics and Instrumentation I**

ENME350 *(PermReq)* **Electronics and Instrumentation I; (3 credits)** Grade Method: REG.
Prerequisite: PHYS270 and 271 {Formerly PHYS263}. Credit will be granted for only one of the following: ENME252 or ENME350. Formerly ENME252. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Monther Hasouneh MW 8:00am - 8:50am M 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	Lab
0102	Monther Hasouneh MW 8:00am - 8:50am Th 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	Lab
0103	Monther Hasouneh MW 8:00am - 8:50am W 3:20pm - 5:10pm	Seats (Total: 24) EGR 1202 EGR 0126	Lab

0104	Monther Hasouneh MW 8:00am - 8:50am Tu 3:20pm - 5:10pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab
0105	Monther Hasouneh MW 8:00am - 8:50am Th 3:20pm - 5:10pm	Seats (Total: 24) EGR 1202 EGR 0126	 Lab

ENME351 **Electronics and Instrumentation II**

ENME351 *(PermReq)* **Electronics and Instrumentation II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME350 and (PHY 270 and 271 {Formerly PHYS263}). Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Miao Yu MW 10:00am - 10:50am M 3:20pm - 5:10pm	Seats (Total: 24) CHE 2110 EGR 0126	 Lab
0102	Miao Yu MW 10:00am - 10:50am Tu 1:00pm - 2:50pm	Seats (Total: 24) CHE 2110 EGR 0126	 Lab
0103	Miao Yu MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 24) CHE 2110 EGR 0126	 Lab

ENME361 **Vibration, Controls and Optimization I**

ENME361 *(PermReq)* **Vibration, Controls and Optimization I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, ENES221, ENME271, and MATH246. For ENME majors only. Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	Moustafa El-Bassyiouni TuTh 9:30am - 10:45am	Seats (Total: 80) CSI 2117	

ENME371 **Product Engineering and Manufacturing**

ENME371 *(PermReq)* **Product Engineering and Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES221, ENME392, or STAT400. For ENME majors only. Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

0101	Chandrasekhar Thamire, Aris Cleanthous MW 11:00am - 11:50am Th 5:00pm - 6:50pm	Seats (Total: 35) CHE 2108 EGL 0101	 Lab
0102	Chandrasekhar Thamire, Aris Cleanthous MW 11:00am - 11:50am F 12:00pm - 1:50pm	Seats (Total: 35) CHE 2108 EGL 0101	 Lab

ENME382 **Engineering Materials and Manufacturing Processes**

ENME382 *(PermReq)* **Engineering Materials and Manufacturing Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220. Basic material structures and properties. Mechanical behavior of materials. Manufacturing processes theory. Materials processing. Quality assurance. Laboratory experiments.

0101	Hugh Bruck MW 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 55) JMP 3201 ARM 0112	 Discussion
0102	Hugh Bruck MW 10:00am - 10:50am W 2:00pm - 3:50pm	Seats (Total: 60) JMP 3201 ARM 0112	 Discussion

ENME392 **Statistical Methods for Product and Processes Development**

ENME392 *(PermReq)* **Statistical Methods for Product and Processes Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241. Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities. Delivered via ITV.

0101	Donald Barker TuTh 11:00am - 12:15pm	Seats (Total: 58) EGR 2107
0201	Donald Barker TuTh 9:30am - 10:45am	Seats (Total: 67) ANS 0408

ENME400 **Machine Design**

ENME400 Machine Design; (3 credits) Grade Method: REG/P-F/AUD.
Senior standing. Working stresses, stress concentration, stress analysis and repeated loadings. Design of machine elements. Kinematics of mechanisms.

0101	Patrick Cunniff MW 11:00am - 12:15pm	Seats (Total: 34) EGR 1104

ENME408 **Selected Topics in Engineering Design; Automotive Design**

ENME408 *(PermReq)* **Selected Topics in Engineering Design: Automotive Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Gregory Schultz M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 60) EGR 1202 JMP 3201

ENME414 **Computer-Aided Design**

ENME414 *(PermReq)* **Computer-Aided Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project. Design technical elective.

0101	Guangming Zhang MWF 8:00am - 8:50am	Seats (Total: 42) KEB 2111

ENME423 **Building Cooling Heating and Power Systems**

ENME423 *(PermReq)* **Building Cooling Heating and Power Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME232 and ENME332. Introduction to the evaluation of cooling, heating and power requirements of buildings. Description, design and evaluation of state-of-the-art and emerging integrated cooling, heating and power systems (engines, micro-turbines, absorption and desiccant systems) as they are applied to buildings. The course uses the Chesapeake building facility and the campus cogeneration facility as real-life demonstration examples. Delivered via ITV.

0101	Yunho Hwang MW 3:30pm - 4:45pm	Seats (Total: 30) KEB 2111

ENME426 **Production Management**

ENME426 *(PermReq)* **Production Management; (3 credits)** Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: BMGT385, ENME426 or ENME489J. Formerly ENME489J. The basic concepts and models needed to understand and design manufacturing systems, including the history of manufacturing, performance measures, queuing systems, variability, production planning and scheduling, lean manufacturing, and pull production control.

0101	Jeffrey Herrmann MW 2:00pm - 3:15pm	Seats (Total: 42) CSS 1113

ENME430 **Fundamentals of Nuclear Reactor Engineering**

ENME430 *(PermReq)* **Fundamentals of Nuclear Reactor Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 and permission of department. Credit will be granted for only one of the following: ENME430 or ENME489N. Formerly ENME489N. Fundamental aspects of nuclear physics and nuclear engineering, including nuclear interactions; various types of radiation and their effects on materials and humans; and basic reactor physics topics, including simplified theory of reactor critically.

0101	Gary Pertmer TuTh 2:00pm - 3:15pm	Seats (Total: 40) EGR 2107	
ME01	Gary Pertmer Class time/details on ELMs	Seats (Total: 15) ONLINE	
NE01	Gary Pertmer Class time/details on ELMs	Seats (Total: 15) ONLINE	

ENME454 **Vehicle Dynamics**

ENME454 Vehicle Dynamics; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ENME489V. The fundamentals of passenger vehicle and light truck design and vehicle dynamics are covered. The engineering principles associated with acceleration, braking, handling, ride quality, aerodynamics, and tire mechanics are discussed, as well as suspension and steering design.

0101	Gregory Schultz MW 5:00pm - 6:15pm	Seats (Total: 60) JMP 3201	

ENME462 **Vibrations, Controls, and Optimization II**

ENME462 *(PermReq)* **Vibrations, Controls, and Optimization II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME351 and ENME361. Formerly ENME362. Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems. Delivered via ITV.

0101	Amr Baz MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 30) EGR 2107 KEB 2111	 Discussion
0102	Amr Baz MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 28) EGR 2107 KEB 2107	 Discussion

ENME470 **Finite Element Analysis**

ENME470 Finite Element Analysis; (3 credits) Grade Method: REG/P-F/AUD. *Senior standing.* Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

0101	Guangming Zhang MWF 10:00am - 10:50am	Seats (Total: 40) KEB 2111	

ENME472 **Integrated Product and Process Development**

ENME472 *(PermReq)* **Integrated Product and Process Development; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENME371. Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	Byeng Youn, Santiago Solares TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 35) CCC 1100 EGL 0101	 Lab
0102	Byeng Youn, Santiago Solares TuTh 11:00am - 11:50am Th 12:00pm - 1:50pm	Seats (Total: 36) CCC 1100 EGL 0101	 Lab
0103	Byeng Youn, Santiago Solares TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 24) CCC 1100 EGR 3108	 Lab

ENME473 **Mechanical Design of Electronic Systems**

ENME473 *(PermReq)* **Mechanical Design of Electronic Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME310; and ENME360; and ENME321. Design considerations in the packaging of electronic systems. Production of circuit boards and design of electronic assemblies. Vibration, shock, fatigue and thermal considerations. Delivered via ITV.

0101	Bongtae Han MW 2:00pm - 3:15pm	Seats (Total: 25) EGR 1108	

ENME476 **Microelectromechanical Systems (MEMS) I**

ENME476 Mircoelectromechanical Systems (MEMS) I; (3 credits) Grade Method: REG/P-F/AUD.
Senior standing. Credit will be granted for only one of the following: ENME476 or ENME489F. Formerly ENME489F. Fundamentals of microelectromechanical systems (MEMS). Introduction to transducers and markets. MEMS fabrication processes and materials, including bulk micromachining, wet etching, dry etching, surface micromachining, sacrificial layers, film deposition, bonding, and non-traditional micromachining. Introduction to the relevant solid state physics, including crystal lattices, band structure, semiconductors, and doping. The laboratory covers safety, photolithography, profilometry, wet etching.

0101	Elisabeth Smela	Seats (Total: 25)
	TuTh 9:30am - 10:45am	EGR 0110

ENME488 **Special Problems**

ENME488 *(PermReq)* **Special Problems; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to mechanical engineering seniors.

Contact department for information to register for this course.

ENME489 **Special Topics in Mechanical Engineering**

ENME489 *(PermReq)* **Special Topics in Mechanical Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME489A **Special Topics in Mechanical Engineering; Air Pollution**

ENME489A *(PermReq)* **Special Topics in Mechanical Engineering: Air Pollution; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Amir Riaz	Seats (Total: 58)
	Th 4:00pm - 6:40pm	EGR 2107

ENME489B **Special Topics in Mechanical Engineering; Lean Six Sigma**

ENME489B *(PermReq)* **Special Topics in Mechanical Engineering: Lean Six Sigma; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: permission of department and completion of or concurrent enrollment in a Statistics course.

0101	David Bigio	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	EGR 0108

ENME489C **Special Topics in Mechanical Engineering; Medical Robotics**

ENME489C *(PermReq)* **Special Topics in Mechanical Engineering: Medical Robotics; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Jaydev Desai	Seats (Total: 25)
	MW 11:00am - 12:15pm	JMP 2202

ENME489E **Special Topics in Mechanical Engineering; Lab-on-a-chip Microsystems**

ENME489E *(PermReq)* **Special Topics in Mechanical Engineering: Lab-on-a-chip Microsystems; (3 credits)** Grade Method: REG/P-F/AUD.
Department permission required.

0101	Don DeVoe	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	EGR 1108

ENME489G **Special Topics in Mechanical Engineering; Processing of Materials in Manufacturing**

ENME489G *(PermReq)* **Special Topics in Mechanical Engineering: Processing of Materials in Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME382 and permission of department.

0101	George Dieter	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	EGR 0108

ENME489P **Special Topics in Mechanical Engineering; Ship Design**

ENME489P *(PermReq)* **Special Topics in Mechanical Engineering: Ship Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Thomas Fu TuTh 3:30pm - 4:45pm	Seats (Total: 30) EGR 3106

ENME489V **Special Topics in Mechanical Engineering; Mechanical Contracting**

ENME489V *(PermReq)* **Special Topics in Mechanical Engineering: Mechanical Contracting; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Arnold Woodall Th 8:00am - 10:40am	Seats (Total: 25) CHE 2145

ENME600 **Engineering Design Methods**

ENME600 Engineering Design Methods; (3 credits) Grade Method: REG/AUD. *Prerequisite: Graduate Standing or permission of instructor. 3 semester hours. Not open to students who have completed ENME 808F during Spring 1999 semester or the Fall 1996 semester..* An introductory graduate level course in critical thinking about formal methods for design in Mechanical Engineering. Course participants gain background on these methods and the creative potential each offers to designers. Participants will formulate, present, and discuss their own opinions on the value and appropriate use of design materials for mechanical engineering.

0101	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 20) ITV 1100
ER01	Linda Schmidt Class time/details on ELMs	Seats (Total: 10) ONLINE
FS01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
HG01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
RE01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA

SG01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA

ENME605 **Advanced Systems Control**

ENME605 Advanced Systems Control; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME 403 or permission of instructor.* Modern control theory for both continuous and discrete systems. State space representation is reviewed and the concepts of controllability and observability are discussed. Design methods of deterministic observers are presented and optimal control theory is formulated. Control techniques for modifying system characteristics are discussed.

0101	Nikhil Chopra MW 5:00pm - 6:15pm	Seats (Total: 30) EGR 0108

ENME610 **Engineering Optimization**

ENME610 Engineering Optimization; (3 credits) Grade Method: REG/AUD. *Prerequisite: Graduate Standing or permission of instructor. 3 semester hours.* Overview of applied single- and multi- objective optimization and decision making concepts and techniques with applications in engineering design and/or manufacturing problems. Topics include formulation examples, concepts, optimality conditions, unconstrained/constrained methods, and post-optimality sensitivity analysis. Students are expected to work on a semester-long real-world multi-objective engineering project.

0101	Shapour Azarm MW 3:30pm - 4:45pm	Seats (Total: 25) EGR 3106

ENME631 **Advanced Conduction and Radiation Heat Transfer**

ENME631 Advanced Conduction and Radiation Heat Transfer; (3 credits) Grade Method: REG/AUD.
Prerequisites: {ENME 315; and ENME 321; and ENME 700 or equivalent} or permission of instructor. Theory of conduction and radiation. Diffused and directional, poly- and mono-chromatic sources. Quantitative optics. Radiation in enclosures. Participating media. Integrodifferential equations. Multidimensional, transient and steady-state conduction. Phase change. Coordinate system transformations.

0101	Bao Yang MW 3:30pm - 4:45pm	Seats (Total: 25) CHM 0122

ENME640 **Fundamentals of Fluid Mechanics**

ENME640 Fundamentals of Fluid Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: Partial differential equations at the level of MATH 462 or permission of department. Formerly ENME651. Equations governing the conservation of mass, momentum, vorticity and energy in fluid flows. Low Reynolds number flows. Boundary layers. The equations are illustrated by analyzing a number of simple flows. Emphasis is placed on physical understanding to facilitate the study of advanced topics in fluid mechanics.

0101	Peter Bernard MW 2:00pm - 3:15pm	Seats (Total: 30) PHY 4220

ENME662 **Linear Vibrations**

ENME662 Linear Vibrations; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 360 or equivalent or permission of instructor. Development of equations governing small oscillations and spatially continuous systems. Newton's equations, Hamilton's principle, and Lagrange's equations. Free and forced vibrations of mechanical systems. Modal analysis. Finite element discretization and reductions of continuous systems. Numerical methods. Random vibrations.

0101	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 35) ITV 1111
FS01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA

HG01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HT01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SG01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	B Balachandran MW 3:30pm - 4:45pm	Seats (Total: 25) Location: TBA

ENME670 **Continuum Mechanics**

ENME670 Continuum Mechanics; (3 credits) Grade Method: REG/AUD. Mechanics of deformable bodies, finite deformation and strain measures, kinematics of continua and global and local balance laws. Thermodynamics of continua, first and second laws. Introduction to constitutive theory for elastic solids, viscous fluids and memory dependent materials. Examples of exact solutions for linear and hyper elastic solids and Stokesian fluids.

0101	Teng Li TuTh 3:30pm - 4:45pm	Seats (Total: 35) CSI 2107

ENME684 **Modeling Material Behavior**

ENME684 Modeling Material Behavior; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME 670 or permission of instructor.* Constitutive equations for the response of solids to loads, heat, etc. based on the balance laws, frame invariance, and the application of thermodynamics to solids. Non-linear elasticity with heat conduction and dissipation. Linear and non-linear non-isothermal viscoelasticity with the elastic-viscoelastic correspondence principle. Classical plasticity and current viscoplasticity using internal state variables. Maxwell equal areas rule, phase change, and metastability and stability of equilibrium states. Boundary value problems. Introduction to current research areas.

0101	Abhijit Dasgupta TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMP 1202

ENME690 **Mechanical Fundamentals of Electronic Systems**

ENME690 Mechanical Fundamentals of Electronic Systems; (3 credits) Grade Method: REG/AUD.
An understanding of the fundamental mechanical principles used in design of electronic devices and their integration into electronic systems will be provided. Focus will be placed on the effect of materials compatibility, thermal stress, mechanical stress, and environmental exposure on product performance, durability and cost. Both electronic devices and package assemblies will be considered. Analysis of package assemblies to understand thermal and mechanical stress effects will be emphasized through student projects.

0101	Bongtae Han MW 2:00pm - 3:15pm	Seats (Total: 40) EGR 1108

ENME770 **Life Cycle Cost and System Sustainment Analysis**

ENME770 Life Cycle Cost and System Sustainment Analysis; (3 credits) Grade Method: REG/AUD.
This course melds elements of traditional engineering economics with manufacturing process and sustainment modeling, and life cycle cost management concepts to form a practical foundation for predicting the cost of products and systems. Various manufacturing cost analysis methods will be presented including: process-flow, parametric, cost of ownership, and activity based costing. The effects of learning curves, data uncertainty, test and rework processes, and defects will be considered. Aspects of system sustainment including the impact on the life cycle (and life cycle costs) of reliability, maintenance, environmental impact, and obsolscence will be treated.

0101	Peter Sandborn M 3:30pm - 6:00pm	Seats (Total: 30) ITV 1100
ER01	Peter Sandborn Class time/details on ELMs	Seats (Total: 10) ONLINE

RE01	Peter Sandborn	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

ENME799 **Master's Thesis Research**

ENME799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME808A **Advanced Topics in Mechanical Engineering; Prognostication and Health Management**

ENME808A Advanced Topics in Mechanical Engineering: Prognostication and Health Management; (3 credits) Grade Method: REG/AUD.

0101	Michael Pecht	Seats (Total: 25)
	Th 2:00pm - 4:30pm	EGR 1102

ENME808B **Advanced Topics in Mechanical Engineering; Emerging Manufacturing**

ENME808B Advanced Topics in Mechanical Engineering: Emerging Manufacturing; (3 credits) Grade Method: REG/AUD.

0101	Satyandra Gupta	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	EGR 1102

ENME808E **Advanced Topics in Mechanical Engineering; Lab-on-a-chip Microsystem Engineering**

ENME808E Advanced Topics in Mechanical Engineering: Lab-on-a-chip Microsystem Engineering; (3 credits) Grade Method: REG/AUD.

0101	Don DeVoe	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	EGR 1108

ENME808K **Advanced Topics in Mechanical Engineering; Micro-Electro-Mechanical Systems I (MEMS I)**

ENME808K Advanced Topics in Mechanical Engineering: Micro-Electro-Mechanical Systems I (MEMS I); (3 credits) Grade Method: REG.
Also offered as ENME489F.

0101	Elisabeth Smela TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 0110

ENME808O **Advanced Topics in Mechanical Engineering; Micro/Nano Robotics**

ENME808O Advanced Topics in Mechanical Engineering: Micro/Nano Robotics; (3 credits) Grade Method: REG/AUD.

0101	Sarah Bergbreiter MW 9:00am - 10:15am	Seats (Total: 25) CHE 2145

ENME808Q **Advanced Topics in Mechanical Engineering; Learning Laboratory Course**

ENME808Q Advanced Topics in Mechanical Engineering: Learning Laboratory Course; (3 credits) Grade Method: REG/AUD.

0101	David Bigio Tu 6:00pm - 8:00pm Contact instructor or department for details.	Seats (Total: 20) EGR 3102

ENME898 **Pre-Candidacy Research**

ENME898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

ENME899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU Engineering, Nuclear Fall 2009

ENNU468 **Research**

ENNU468 *(PermReq)* **Research; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU489 **Special Topics in Nuclear Engineering**

ENNU489 Special Topics in Nuclear Engineering; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU609 **Seminar in Nuclear Engineering**

ENNU609 Seminar in Nuclear Engineering; (1 credit) Grade Method: REG/AUD.

0101	Aristos Christou Contact instructor or department for details.	Seats (Total: 25)

ENNU620 **Mathematical Techniques for Engineering Analysis and Modeling**

ENNU620 Mathematical Techniques for Engineering Analysis and Modeling; (3 credits) Grade Method: REG.
Also offered as ENRE 620. Probability and probability distributions; statistics; ordinary differential equations; linear algebra and vectors; Laplace transform; Fourier analysis; boundary value problems; series solutions to differential equations; partial differential equations; numerical methods. Also offered as ENMA 698M.

0101	Peter Bernard W 10:00am - 12:40pm	Seats (Total: 35) ITV 1111
ER01	Peter Bernard Class time/details on ELMs	Seats (Total: 20) ONLINE
FS01	Peter Bernard Contact instructor or department for details.	Seats (Total: 5)
HG01	Peter Bernard Contact instructor or department for details.	Seats (Total: 5)
HT01	Peter Bernard Contact instructor or department for details.	Seats (Total: 5)
NE01	Peter Bernard Class time/details on ELMs	Seats (Total: 10) ONLINE

RE01	Peter Bernard Contact instructor or department for details.	Seats (Total: 10)
SG01	Peter Bernard Contact instructor or department for details.	Seats (Total: 5)
SM01	Peter Bernard Contact instructor or department for details.	Seats (Total: 5)

ENNU648 **Special Problems in Nuclear Engineering; Special Problems in Neuclear Engineering**

ENNU648 Special Problems in Nuclear Engineering: Special Problems in Neuclear Engineering; (1-16 credits) Grade Method: REG/AUD.

0101	Mohamad Al-Sheikhly Contact instructor or department for details.	Seats (Total: 30)

ENNU648A **Special Problems in Nuclear Engineering; Reactor Operations**

ENNU648A Special Problems in Nuclear Engineering: Reactor Operations; (3 credits) Grade Method: REG/AUD.

0101	Mohamad Al-Sheikhly Contact instructor or department for details.	Seats (Total: 20)

ENNU648B **Special Problems in Nuclear Engineering; Nuclear Fuel Cycle Safety**

ENNU648B Special Problems in Nuclear Engineering: Nuclear Fuel Cycle Safety; (3 credits) Grade Method: REG/AUD.

0101	Robert Sanders Contact instructor or department for details.	Seats (Total: 20)

ENNU648F **Special Problems in Nuclear Engineering; Nuclear Systems and Severe Accidents**

ENNU648F Special Problems in Nuclear Engineering: Nuclear Systems and Severe Accidents; (3 credits) Grade Method: REG/AUD.

0101	Mahmoud Massoud M 5:00pm - 8:00pm	Seats (Total: 10) EGR 3111

ENNU649 **Selected Topics in Nuclear Engineering**

ENNU649 *(PermReq)* **Selected Topics in Nuclear Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU655 **Radiation Engineering**

ENNU655 Radiation Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of both department and instructor.* An analysis of such radiation applications as synthesizing chemicals, preserving foods, control of industrial processes, design of irradiation installations. E.G., Cobalt 60 gamma ray sources, electronuclear machine arrangement, and chemonuclear reactors.

0101	Mohamad Al-Sheikhly	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	EGR 1108

ENNU799 **Master's Thesis Research**

ENNU799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU898 **Pre-Candidacy Research**

ENNU898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU899 **Doctoral Dissertation Research**

ENNU899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Fall 2009

ENPM600 **Probability and Stochastic Processes for Engineers**

ENPM600 Probability and Stochastic Processes for Engineers; (3 credits) Grade Method: REG/AUD.

Prerequisite: undergraduate introduction to discrete and continuous probability. Axioms of probability; conditional probability and Bayes' rule; random variables, probability distributions and densities; functions of random variables; definition of stochastic process; stationary processes, correlation functions, and power spectral densities; stochastic processes and linear systems; estimation and optimum filtering. Applications in communication and control systems, signal processing, and detection and estimation.

0101	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM603 **Theory and Applications of Digital Signal Processing**

ENPM603 Theory and Applications of Digital Signal Processing; (3 credits) Grade Method: REG/AUD.

Prerequisite: undergraduate introduction to discrete-time systems. Uniform sampling and the sampling theorem; the Z-transform and discrete-time system analysis; multi-rate systems; discrete-time random processes; methods for designing FIR and IIR digital filters; effects of quantization and finite work-length; the DFT and FFT; power spectrum estimation.

0101	Emre Gunduzhan W 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100

FS01	Emre Gunduzhan W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Emre Gunduzhan W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Emre Gunduzhan W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Emre Gunduzhan W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Emre Gunduzhan W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM610 **Digital VLSI Design**

ENPM610 Digital VLSI Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: undergraduate courses in solid state devices and digital/analog circuit design.* VLSI design with emphasis on CMOS technology. Logic functions using CMOS switches; MOSFET characteristics; BiCMOS, dynamic logic and domino logic structures; PLA's, FPLA's, and gate arrays; layout via MAGIC, use of VHDL, IRSIM, and Spice; design rules and verification techniques; packaging techniques; chip design options: standard cells, sea-of-gates, full custom; design capture and verification tools; design of CMOS datapaths, memory, and control; possible fabrication via MOSIS.

0101	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
FS01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SG01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Manoj Franklin W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM611 **Software Engineering**

ENPM611 Software Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: competency in one programming language. Credit will be granted for only one of the following: ENPM 611 or ENPM 808G. Formerly ENPM808G.* Software engineering concepts, methods, and practices important to both the theorist and the practitioner will be covered. The entire range of responsibilities expected of a software engineer are presented. The fundamental areas of requirements development, software design, programming languages, and testing are covered extensively. Sessions on supporting areas such as systems engineering, project management, and software estimation are also included.

0101	Forrest Shull Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	Forrest Shull Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Forrest Shull Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Forrest Shull Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Forrest Shull Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Forrest Shull Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM613 **Software Design & Implementation**

ENPM613 Software Design & Implementation; (3 credits) Grade Method: REG/AUD.
Prerequisite: An undergraduate software course, knowledge of C or C++ Programming. Credit will be granted for only one of the following: ENPM608 or ENPM613. Formerly ENPM608. Software design concepts and practices within the field important to both the practitioner and the theorist will be covered. Architectural and detailed designs are included for batch, client/server, and real-time systems. Design considerations for structured, object-oriented, and Web-based systems are covered. Design of databases, user interfaces, forms, and reports are also included. Implementation issues that affect the design, including error handling, performance, and inter-process communication, are presented.

0101	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM620 **Computer Aided Engineering Analysis**

ENPM620 *(PermReq)* **Computer Aided Engineering Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Computer assisted approach to the solution of engineering problems. Review and extension of undergraduate material in applied mathematics including linear algebra, vector calculus, differential equations, and probability and statistics.

0101	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
FS01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Chandrasekhar Thamire Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM622 **Modern Power Generation I - Stationary Power Applications**

ENPM622 Modern Power Generation I - Stationary Power Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: undergraduate thermodynamics and heat transfer. Thermal engineering of modern power generation systems. Cycle analysis of various modern power generation technologies including gas turbine, combined cycle, waste burning and cogeneration. Energy storage and energy transport.

0101	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 25) EGR 2103
FS01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

HT01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Eugene Keating Class time/details on ELMs	Seats (Total: 15) ONLINE
SG01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM624 **Renewable Energy Applications**

ENPM624 Renewable Energy Applications; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Thermodynamics and heat transfer of renewable energy sources for heating, power generation and transportation. Wind energy, solar thermal, photovoltaic, biomass, waste burning, and hydropower. Broad overview of the growing use of renewable energy sources in the world economy with detailed analysis of specific applications.

0101	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
FS01	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Stephen Treado Class time/details on ELMs	Seats (Total: 15) ONLINE
SG01	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Stephen Treado Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM627 **Environmental Risk Analysis**

ENPM627 Environmental Risk Analysis; (3 credits) Grade Method: REG/AUD. The fundamental methodology for analyzing environmental risk is described with examples for selected applications. Key elements of the environmental risk methodology include: (1) source term and release characterization, (2) migration of contaminants in various media, (3) exposure assessment, (4) dose-response evaluation, (5) risk characterization, and (6) risk management. Also included will be an introduction to uncertainty analysis and environmental laws and regulations. It is intended to provide students with the basic skills and knowledge needed to manage, evaluate, or perform environmental risk assessments and risk analyses.

0101	Norman Eisenberg Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
FS01	Norman Eisenberg Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Norman Eisenberg Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Norman Eisenberg Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Norman Eisenberg Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Norman Eisenberg Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM633 **Aquatic Chemistry Concepts**

ENPM633 Aquatic Chemistry Concepts; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENCE 433 or permission of department & instructor.* Development of the theoretical basis for understanding the chemical behavior of aquatic systems, with an emphasis on problem solving. Principles of inorganic and physical chemistry applied to quantitative description of processes in natural waters: Thermodynamic and kinetic aspects of electrolyte solutions, carbon dioxide/carbonate systems; dissolution and precipitation, metalligand complexes, and oxidation/reduction.

0101	Yen-Der Cheng Th 7:00pm - 9:40pm	Seats (Total: 25) EAB 0307
FS01	Yen-Der Cheng Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Yen-Der Cheng Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Yen-Der Cheng Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Yen-Der Cheng Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Yen-Der Cheng Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM641 **Systems Concepts, Issues, and Processes**

ENPM641 *(PermReq)* **Systems Concepts, Issues, and Processes; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. 3 semester hours. Also offered as ENSE621. Credit will be granted for only one of the following: ENPM641 or ENSE621. This course (along with ENSE622/ENPM642) is an introduction to the professional and academic aspects of systems engineering. Topics incude models of system lifecycle development, synthesis and design of engineering systems, abstract system representations, visual modeling and unified modeling language (UML), introduction to requirements engineering, systems performance assessment, issues in synthesis and design, design for system lifecycle, approaches to system redesign in response to changes in requirements, reliability, trade-off analysis, and optimization-based design.

0101	Guangming Zhang M 7:00pm - 9:40pm	Seats (Total: 41) EGR 2107
HG01	Guangming Zhang M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Guangming Zhang M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Guangming Zhang M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Guangming Zhang M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM643 **Systems Projects, Validation and Verification**

ENPM643 *(PermReq)* **Systems Engineering Design Project; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM642/ENSE622 and permission of department. Also offered as ENSE622. Credit will be granted for only one of the following: ENPM642 or ENSE622.
This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Students will work in teams on semester-long projects in systems engineering design, using the modeling framework developed in the preceding two courses in the sequence to explore system designs that are subjected to various forms of testing. Student will be using all of the concepts from prior courses, as well as topics introduced in this class including validation and verification, model checking, testing, and integration.

0101	Mark Austin Tu 7:00pm - 9:40pm	Seats (Total: 25) CSI 3117

ENPM646 **System Life Cycle Cost Analysis and Risk Management**

ENPM646 *(PermReq)* **System Life Cycle Cost Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE626. Credit will be granted for only one of the following: ENPM646 or ENSE626. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Relevant analytic tools from probability and statistics and important managerial and organizational concepts. Extensive use is made of case studies from industry andgovernment. Also offered as ENSE626.

0101	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 2) Location: TBA
HG01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM663 **Introduction to Kinetics of Reactions in Materials**

ENPM663 Introduction to Kinetics of Reactions in Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA 461. The thermodynamics of solid solutions, free energy and phase diagrams, thermodynamics of interfaces, concepts of kinetics are introduced. Diffusion in solids, nucleation kinetics and kinetics of composition invariant solid-solid interface migration are reviewed. The growth of phases and cellular segregation are also introduced. Also offered as ENMA 471.

0101	Manfred Wuttig TuTh 2:00pm - 3:15pm	Seats (Total: 15) CHE 2116

ENPM808 **Advanced Topics in Engineering**

ENPM808 *(PermReq)* **Advanced Topics in Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENPM808I **Advanced Topics in Engineering; Wireless Sensor Networks**

ENPM808I Advanced Topics in Engineering: Wireless Sensor Networks; (3 credits) Grade Method: REG/AUD.

0101	Gun Akkor Th 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
FS01	Gun Akkor Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Gun Akkor Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Gun Akkor Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Gun Akkor Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Gun Akkor Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808J **Advanced Topics in Engineering; Fundamentals for Thermal Systems**

ENPM808J Advanced Topics in Engineering: Fundamentals for Thermal Systems; (3 credits) Grade Method: REG/AUD.

0101	David Didion Tu 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107

FS01	David Didion Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	David Didion Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	David Didion Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	David Didion Class time/details on ELMs	Seats (Total: 15) ONLINE
SG01	David Didion Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	David Didion Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808N **Advanced Topics in Engineering; Corporate Technology Venturing**

ENPM808N Advanced Topics in Engineering: Corporate Technology Venturing; (3 credits) Grade Method: REG/AUD.

0101	Thomas Mierzwa W 6:00pm - 8:40pm	Seats (Total: 25) EGR 3114

ENPM808X **Advanced Topics in Engineering; Rocket Propulsion**

ENPM808X Advanced Topics in Engineering: Rocket Propulsion; (3 credits) Grade Method: REG/AUD.

PE01	Gregory Young Class time/details on ELMs	Seats (Total: 25) ONLINE

ENPP Engineering and Public Policy Fall 2009

ENPP610 **MEPP Capstone**

ENPP610 *(PermReq)* **MEPP Capstone; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of MEPP Program; completion of or co-registration of ENCE611. MEPP Students, in the last year of their program, will learn case study methods of analysis as they relate to issues of engineering and public policy, through case studies on pressing issues in areas such as environment, national security, biotechnology, energy, infrastructure, development and manufacturing. The course will begin by review of case study methods and analysis. This will be followed by addressing case studies selected by the instructor.

0101	Barry Koh	Seats (Total: 15)
	Th 3:30pm - 6:30pm	EGR 3111

ENPP611 **MEPP Scholarly Practicum**

ENPP611 *(PermReq)* **MEPP Scholarly Practicum; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Practicum proposal must be approved by MEPP. The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.

0101	Deborah Goodings, Matthias Ruth	Seats (Total: 8)
	Contact instructor or department for details.	

ENPP620 **Contemporary Water Resources Management**

ENPP620 Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.

0101	Gerald Galloway	Seats (Total: 20)
	M 5:00pm - 7:30pm	EGR 1102

ENRE Reliability Engineering Fall 2009

ENRE447 **Fundamentals of Reliability Engineering**

ENRE447 Fundamentals of Reliability Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ENRE445 or ENRE447. Formerly ENRE445. Topics covered include: fundamental understanding of how things fail, probabilistic models to represent failure phenomena, life-models for non-repairable items, reliability data collection and analysis, software reliability models, and human reliability models.

0101	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 35) EGR 2103
ER01	Michel Cukier Class time/details on ELMs	Seats (Total: 10) ONLINE
FS01	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 0) Location: TBA
HG01	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
HT01	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
RE01	Michel Cukier Contact instructor or department for details.	Seats (Total: 10)
SG01	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
SM01	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

ENRE489 **Special Topics in Reliability Engineering**

ENRE489 *(PermReq)* **Special Topics in Reliability Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE600 **Reliability Engineering**

ENRE600 Reliability Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE 620.* Organization, management and communication concepts in reliablity engineering. Mechanisms and physics of failure, methods for failure-rate determination. Methods of design for reliability and maintainability. Life cycle costing and equipment sparing policies. Measuring reliability for improvement. Those sections that begin with a letter are taught via ITV and are not i ntended for College Park campus students.

0101	Aristos Christou M 3:30pm - 6:10pm	Seats (Total: 40) EGR 2107
ER01	Aristos Christou Class time/details on ELMs	Seats (Total: 20) ONLINE
RE01	Aristos Christou Contact instructor or department for details.	Seats (Total: 10)

ENRE602 **Reliability Analysis**

ENRE602 Reliability Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE 620.* Principal methods of reliability analysis, including fault tree and reliability block diagrams; Failure Mode and Effects Analysis (FMEA); event tree construction and evaluation; reliability data collection and analysis; methods of modeling systems for reliability analysis. Focus on problems related to process industries, fossil-fueled power plant availability, and other systems of concern to engineers. Those sections that begin with a letter are taught via ITV and are not i ntended for College Park campus students.

0101	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 35) EGR 2107
ER01	Mohammad Modarres Class time/details on ELMs	Seats (Total: 15) ONLINE
FS01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
HG01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

HT01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
RE01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 10) Location: TBA
SG01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
SM01	Mohammad Modarres F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

ENRE620 **Mathematical Techniques of Reliability Engineering**

ENRE620 Mathematical Techniques of Reliability Engineering; (3 credits) Grade Method: REG/AUD.
Also offered as ENNU 620. Basic probability and statistics (required for ENRE 600 and ENRE 602). Application of selected mathematical techniques to the analysis and solution of reliability engineering problems. Applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to a wide range of reliability related problems. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students. Also offered as ENMA 698M.

0101	Peter Bernard W 10:00am - 12:40pm	Seats (Total: 35) ITV 1111
ER01	Peter Bernard Class time/details on ELMs	Seats (Total: 20) ONLINE
FS01	Peter Bernard Contact instructor or department for details.	Seats (Total: 5)
HG01	Peter Bernard Contact instructor or department for details.	Seats (Total: 5)
HT01	Peter Bernard Contact instructor or department for details.	Seats (Total: 5)
NE01	Peter Bernard Class time/details on ELMs	Seats (Total: 10) ONLINE

RE01	Peter Bernard Contact instructor or department for details.	Seats (Total: 10)
SG01	Peter Bernard Contact instructor or department for details.	Seats (Total: 5)
SM01	Peter Bernard Contact instructor or department for details.	Seats (Total: 5)

ENRE640 **Collection and Analysis of Reliability Data**
Contact department for information to register for this course.

ENRE642 **Reliability Engineering Management**
Contact department for information to register for this course.

ENRE646 **Maintainability Engineering**
Contact department for information to register for this course.

ENRE648 **Special Problems in Reliability Engineering**

ENRE648 *(PermReq)* **Special Problems in Reliability Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE648A **Special Problems in Reliability Engineering; Mechanical Fundamentals of Electronic Systems**

ENRE648A Special Problems in Reliability Engineering: Mechanical Fundamentals of Electronic Systems; (3 credits) Grade Method: REG/AUD.

0101	Bongtae Han MW 2:00pm - 3:15pm	Seats (Total: 40) EGR 1108

ENRE648B **Special Problems in Reliability Engineering; Life Cycle Cost and System Sustainment Analysis**

ENRE648B Special Problems in Reliability Engineering: Life Cycle Cost and System Sustainment Analysis; (3 credits) Grade Method: REG/AUD.

0101	Peter Sandborn M 3:30pm - 6:00pm	Seats (Total: 30) ITV 1100

ER01	Peter Sandborn Class time/details on ELMs	Seats (Total: 10) ONLINE
RE01	Peter Sandborn Class time/details on ELMs	Seats (Total: 10) ONLINE

ENRE648E **Special Problems in Reliability Engineering; Engineering Design Methods**

ENRE648E Special Problems in Reliability Engineering: Engineering Design Methods; (3 credits) Grade Method: REG/AUD.

0101	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 20) ITV 1100
ER01	Linda Schmidt Class time/details on ELMs	Seats (Total: 10) ONLINE
FS01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
HG01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
RE01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
SG01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Linda Schmidt M 12:30pm - 3:15pm	Seats (Total: 5) Location: TBA

ENRE648F **Special Problems in Reliability Engineering; Engineering Optimization**

ENRE648F Special Problems in Reliability Engineering: Engineering Optimization; (3 credits) Grade Method: REG/AUD.

0101	Shapour Azarm MW 3:30pm - 4:45pm	Seats (Total: 25) EGR 3106

ENRE655 **Advanced Methods in Reliability Modeling**
Contact department for information to register for this course.

ENRE670 **Risk Assessment for Engineers I**

ENRE670 Risk Assessment for Engineers I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE 602. Also offered as ENNU 651. Credit will be granted for only one of the following: ENNU 651 or ENRE 670.* Why study risk, sources of risk, probabilistic risk assessment procedure, factors affecting risk acceptance, statistical risk acceptance analysis, psychometric risk acceptance, perception of risk, comparison or risks, consequence analysis, risk benefit assessment. Risk analysis performed for light water reactors, chemical industry, and dams. Class projects on risk management concepts.

0101	Ali Mosleh M 10:00am - 12:40pm	Seats (Total: 25) ITV 1111
ER01	Ali Mosleh Class time/details on ELMs	Seats (Total: 10) ONLINE
HG01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 5)
HT01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 5)
RE01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 10)
SG01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 5)
SM01	Ali Mosleh Contact instructor or department for details.	Seats (Total: 5)

ENRE799 **Master's Thesis Research**

ENRE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

ENRE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

ENRE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE Systems Engineering Fall 2009

ENSE621 **Systems Concepts, Issues, and Processes**

ENSE621 *(PermReq)* **Systems Concepts, Issues, and Processes; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. 3 semester hours. Also offered as ENPM641. Credit will be granted for only one of the following: ENPM641 or ENSE621. This course (along with ENSE622/ENPM642) is an introduction to the professional and academic aspects of systems engineering. Topics incude models of system lifecycle development, synthesisand design of engineering systems, abstract system representations, visual modeling and unified modeling language (UML), introduction to requirements engineering, systems performance assessment, issues in synthesis and design, design for system lifecycle, approaches to system redesign in response to changes in requirements, reliability, trade-off analysis, and optimization-based design.

0101	Guangming Zhang	Seats (Total: 41)
	M 7:00pm - 9:40pm	EGR 2107

ENSE623 **Systems Projects, Validation and Verification**

ENSE623 *(PermReq)* **Systems Projects, Validation and Verification; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM642/ENSE 622 and permission of department. Also offered as ENPM643. Credit will be granted for only one of the following: ENPM643, ENSE 610 or ENSE 623. This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Students will work in teams on semester-long projects in systems engineering design, using the modeling framework developed in the preceding two courses in the sequence to explore system designs that are subjected to various forms of testing. Student will be using all of the concepts from prior courses, as well as topics introduced in this class including validation and verification, model checking, testing, and integration.

0101	Mark Austin	Seats (Total: 25)
	Tu 7:00pm - 9:40pm	CSI 3117

ENSE626 **System Life Cycle Analysis and Risk Management**

ENSE626 *(PermReq)* **System Life Cycle Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENPM646. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government.

0101	Nidak Sumrean	Seats (Total: 25)
	W 7:00pm - 9:40pm	ITV 1111

ENSE699 **Directed Study in Systems Engineering**

ENSE699 *(PermReq)* **Directed Study in Systems Engineering; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

ENSE799 *(PermReq)* **Systems Engineering Thesis: Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP Environmental Science and Policy Fall 2009

ENSP101 **Introduction to Environmental Science**

ENSP101 Introduction to Environmental Science; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.
Not open to students who have completed BSCI235 or PBIO205. One of two required courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on scientific ways of knowing; the systems, cycles, flows, and interfaces that characterize the atmosphere, lithosphere, hydrosphere, and biosphere; the analysis of human impacts on these systems; and the nature of scientific uncertainty and methods of quantifying environmental processes.

0101	Bruce James MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 EGR 0110	 Discussion
0102	Bruce James MWF 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 EGR 3102	 Discussion
0103	Bruce James MWF 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 EGL 1204	 Discussion
0104	Bruce James MWF 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 6) JMZ 0220 EGL 1202	 Discussion
0105	Bruce James MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 EGR 3102	 Discussion

0106	Bruce James MWF 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 EGR 1102	 Discussion
0107	Bruce James MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 SYM 0209	 Discussion

ENSP101U **Introduction to Environmental Science**

ENSP101U Introduction to Environmental Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Not open to students who have completed BSCI235 or PBIO205.

0104	Bruce James MWF 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 0) JMZ 0220 EGL 1202	 Discussion

ENSP330 **Introduction to Environmental Law**

ENSP330 *(PermReq)* **Introduction to Environmental Law; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENSP101 and ENSP102. Junior standing. Credit will be granted for only one of the following: ENSP330 or ENSP399A. Formerly ENSP399A. An overview of environmental law, from its common law roots to its role in the modern regulatory state, including an examination of major federal environment statutes and the policy debates inherent in them. Other areas covered include civil and criminal enforcement, standing to sue, land use control, and regulatory takings.

0101	Joanna Goger MW 9:30am - 10:45am	Seats (Total: 35) CSI 1121	

ENSP386 **Internship**

ENSP386 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: internship proposal approved by the specialty advisor, the director of ENSP and the student's internship sponsor.

Contact department for information to register for this course.

ENSP399E **Special Topics in Environmental Science and Policy; EcoHouse: Colloquium I**

ENSP399E *(PermReq)* **Special Topics in Environmental Science and Policy: EcoHouse: Colloquium I; (2 credits)** Grade Method: REG/P-F.
Restricted to EcoHouse Living-Learning Program.

0101	Becky Archer Tu 6:00pm - 8:00pm W 12:00pm - 1:00pm	Seats (Total: 30) Location: TBA Location: TBA	 Discussion
0102	Becky Archer Tu 6:00pm - 8:00pm Contact instructor or department for details.	Seats (Total: 30) Location: TBA	

ENSP399I **Special Topics in Environmental Science and Policy; EcoHouse: Internship**

ENSP399I *(PermReq)* **Special Topics in Environmental Science and Policy: EcoHouse: Internship; (1-2 credits)** Grade Method: REG/P-F.

0101	Wendy Whittemore Contact instructor or department for details.	Seats (Total: 10)

ENSP400 **Capstone in Environmental Science and Policy**

ENSP400 Capstone in Environmental Science and Policy; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Senior Standing or Permission of the Director of ENSP; ENSP101 and 102. For ENSP majors only. Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

0101	Bruce James, Benjamin Schapiro TuTh 3:30pm - 4:45pm	Seats (Total: 35) EGR 1104

ENSP499 **Honors Thesis Research**

ENSP499 Honors Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST Environmental Science and Technology Fall 2009

ENST100 **International Crop Production-Issues and Challenges in the 21st Century**

ENST100 International Crop Production-Issues and Challenges in the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. *Credit will be granted for only one of the following: ENST100 or NRSC100. Formerly NRSC100.* Examines the role of crop production in elevating humans out of poverty in developing countries. It will introduce students to the basic principles of plant and soil science underlying the international production of food crops and world food security. The role of multinational agencies such as the World Bank in the promotion of sustainable crop production using environmentally-sound technologies will also be discussed.

0101	Prabahkar Tamboli	Seats (Total: 36)
	MWF 11:00am - 11:50am	PLS 1111

ENST214 **Introduction to Fish and Wildlife Sciences**

ENST214 Introduction to Fish and Wildlife Sciences; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. *Prerequisite: A course in Biology or permission of instructor.* Lectures, discussion, and readings in social, biological, and human dimension issues facing fisheries and wildlife biologists and natural resource managers in the United States. Coverage will include history and philosophical discussions of fish and wildlife sciences; conservation and management; principles of community, habitat, and animal ecology and management; and interrelations of wildlife, fish, and forestry.

0101	Reginal Harrell	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ANS 0412

ENST233 **Introduction to Environmental Health**

ENST233 Introduction to Environmental Health; (3 credits) Grade Method: REG/P-F/AUD.
How humans are affected by the quality of our air, water, soil, and food supply as well as how human activities altered these survival necessities are examined. Students will learn how the evolution and prosperity of human populations have resulted in degredation of our environment and the impact of environmental degradation on the health of people.

0101	Lance Yonkos	Seats (Total: 46)
	MWF 10:00am - 10:50am	HJP 1104

ENST305 **Alternative Energy**

ENST305 Alternative Energy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH111; PHYS121; CHEM131; or permission of instructor. An overview of various renewable energy technologies and their current applications. Emphasis will be placed on energy sustainability, consumption, efficiency, and ease of transition to renewable energy alternatives. Quantification of incident solar energy is covered in detail along with the basic physics of energy conversion, current energyusage, and carbon capture and sequestration practices. Technologies include hydroelectric, wind and wave turbines, solar thermal conversion,photovaltaic, hydrogen, fuel cells, geothermal, biogas, and biofuel.

0101	Stephanie Lansing	Seats (Total: 41)
	MW 11:00am - 12:15pm	ANS 0422

ENST308 **Field Soil Morphology**

ENST308 Field Soil Morphology; (1-2 credits) Grade Method: REG/P-F/AUD.

0101	Martin Rabenhorst	Seats (Total: 20)
	Contact instructor or department for details.	

ENST333 **Ecosystem Health and Protection**

ENST333 Ecosystem Health and Protection; (3 credits) Grade Method: REG.
Recommended: ENST233. Credit will be granted for only one of the following: ENST499A or ENST333. Formerly ENST499A. Discussion of the philosophies, principles, and practices for assessing ecosystem health with emphasis onan ecosystem perspective rather than a human health perspective. Degradation associated with human activities will be emphasized. Topics will range from local to regional to global issues, including a discussion on global warming and its possible impacts on ecosystems. Concepts will be clarified using case histories from the Chesapeake Bay watershed.

0101	Daniel Fisher	Seats (Total: 39)
	TuTh 12:30pm - 1:45pm	ANS 0422

ENST373 **Natural History of the Chesapeake Bay**

ENST373 Natural History of the Chesapeake Bay; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: a course in biological sciences or permission of department. Also offered as BSCI373. Formerly ENST499G. Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota.

0101	Patrick Kangas	Seats (Total: 80)
	MWF 3:00pm - 3:50pm	ANS 0408

ENST389 **Internship**

ENST389 *(PermReq)* **Internship; (3 credits)** Grade Method: S-F.

0101	Patrick Kangas	Seats (Total: 25)
	Contact instructor or department for details.	

ENST398 **Seminar**

ENST398 *(PermReq)* **Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
This course is Senior Standing and for ENST Students only.

0101	Frank Coale	Seats (Total: 10)
	W 4:00pm - 4:50pm	ANS 0408
	Contact instructor or department for details.	

ENST414 **Soil Morphology, Genesis and Classification**

ENST414 Soil Morphology, Genesis and Classification; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200 (formerly NRSC200). Credit will be granted for only one of the following: ENST414 or NRSC414. Formerly NRSC414. Processes and factors of soil genesis. Taxonomy of soils of the world by U.S. System. Soil morphological characteristics, composition, classification, survey and field trips to examine and describe soils.

0101	Brian Needelman	Seats (Total: 20)	
	MWF 9:00am - 9:50am	HJP 1104	
	M 2:00pm - 5:00pm	HJP 0210	Lab

ENST417 **Soil Hydrology and Physics**

ENST417 Soil Hydrology and Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENST200 (formerly NRSC200) and a course in physics; or permission of department. Credit will be granted for only one of the following: ENST417 or NRSC417. Formerly NRSC417. A study of soil water interactions: the hydrologic cycle; the unique properties of water and soil; the soil components and their interactions; the field water cycle; transport processes involving water, heat and solutes; human effects on soil and groundwater; as well as the measurement, prediction, and control of the physical processes taking place in and through the soil.

0101	Robert Hill	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	HJP 1104

ENST422 **Soil Microbiology**

ENST422 Soil Microbiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200 or equivalent; or a course in microbiology or biochemistry. Credit will be granted for only one of the following: ENST422 or NRSC422. Formerly NRSC422. Study of soil biochemical and microbial processes pertinent to nutrient cycling, environmental quality, and agriculture. Focus on microbial taxanomy, physiology, and ecology in colloidal environments and natural waters.

0101	Bruce James	Seats (Total: 15)
	TuTh 9:30am - 10:45am	HJP 1104

ENST427 **Nonpoint Source Pollution Assessment Techniques**

ENST427 Nonpoint Source Pollution Assessment Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One course in hydrology or permission of department. Also offered as ENBE462. Credit will be granted for only one of the following: ENBE462 or ENST427. Various techniques to measure non-point source pollution, quantify mass transport, and statistically evaluate water quality criteria. Primary focus is on agriculture and water, but urban NPS pollution is addressed. Also offered as ENBE462. Credit will granted for only one of the following: ENBE462 or ENST427.

0101	Gary Felton	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ANS 0422

ENST444 **Restoration Ecology**

ENST444 Restoration Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140. Credit will be granted for only one of the following: ENST444, NRMT489F, or NRMT444. Formerly NRMT489F. Discussion of the philosophies, principles, and practices of ecosystem restoration. Presentation of restoration case histories include wetlands, lakes, streams, coastal systems, mined lands, and new ecosystems.

0101	David Tilley	Seats (Total: 51)
	TuTh 11:00am - 12:15pm	ANS 0422

ENST445 **Ecological Risk Assessment**

ENST445 Ecological Risk Assessment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST333; BIOM301; or permission of department. Assessment of ecological impacts of perturbations on natural systems. Course will describe quantitative methods for estimating environmental impacts by extrapolating from laboratory and field data. The role of regulatory agencies and implications of scientific uncertainty on risk management will be covered.

0101	David Ludwig	Seats (Total: 35)
	MWF 10:00am - 10:50am	ANS 0422

ENST447 **Biodiversity, Ecology, and Human Health**

ENST447 Biodiversity, Ecology, and Human Health; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI361 or permission of department. An investigation of how biodiversity and ecological processes affect human health. We will view humans as an integral but unique members of ecosystems whose well-being depends on a range of complex ecological services. Topics will include human-induced environmental changes, species invasions, species interactions, medicines from nature, and infectious diseases. The lab will involve conducting research on native and introduced species of medical importance.

0101	Paul Leisnham	Seats (Total: 23)	
	M 2:00pm - 3:00pm	ANS 0422	
	W 9:00am - 12:00pm	ANS 0538	Lab

ENST450 **Wetland Ecology**

ENST450 Wetland Ecology; (3 credits) Grade Method: REG.
Prerequisite: BIOM301 or permission of department. Also offered as ENST650 and MEES650. Credit will be granted for only one of the following: ENST450, NRMT450, or MEES650. Formerly NRMT450. Plant and animal communities, biogeochemistry, and ecosystem properties of wetland systems. Laboratory emphasizes collection and analysis of field data on wetland vegetation, soil, and hydrology.

0101	Andrew Baldwin	Seats (Total: 20)	
	Tu 2:00pm - 3:15pm	ANS 0422	
	Th 2:00pm - 6:00pm	ANS 0538	Lab

ENST461 **Urban Wildlife Management**

ENST461 Urban Wildlife Management; (3 credits) Grade Method: REG/P-F/AUD.
Two lectures per week.. Credit will be granted for only one of the following: ENST461 or NRMT461. Formerly NRMT461. Ecology and management of wildlife in urban areas. For students in biological sciences, geography, landscape design, natural resources management, recreation and urban studies. Planning, design, and wildlife conservation in landscape ecology. Public attitudes, preferences, and values, review of private conservation organizations. One Saturday field trip is scheduled.

0101	Lowell Adams	Seats (Total: 40)	
	TuTh 9:30am - 10:45am	ANS 0412	

ENST470 **Natural Resources Management**

ENST470 *(PermReq)* **Natural Resources Management; (4 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
85 semester hours. For NRMT and ENST majors only. Field work and independent research on watersheds. Intensive seminar on resource management planning and report preparation. Offered Fall semester only.

0101	Patrick Kangas	Seats (Total: 20)	
	MW 12:00pm - 2:00pm	ANS 0538	

ENST489 **Field Experience**

ENST489 *(PermReq)* **Field Experience; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499 **Special Topics in Environmental Science and Technology**

ENST499 *(PermReq)* **Special Topics in Environmental Science and Technology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST602 **Research Principles and Methodology in Environmental Scienceand Technolgy**

ENST602 Research Principles and Methodology in Environmental Scienceand Technolgy; (3 credits) Grade Method: REG/AUD.

0101	Martin Rabenhorst	Seats (Total: 15)	
	MW 8:00am - 8:50am	PLS 1162	
	W 12:00pm - 3:00pm	HJP 0210	Lab

ENST608 **Research Methods**
Contact department for information to register for this course.

ENST615 **Advanced Aternative Energy**

ENST615 Advanced Aternative Energy; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH111 or higher; PHYS117; CHEM131; or permission of department. Credit will be granted for only one of the following: ENST305 or ENST615. Analysis of various renewable endergy technologies and their current applications. Emphasis iwll be placed on energy consumption, efficiency efficiency, the ease of transition to renewable alternatives, and net energy comparisons with fossil fuel alternatives. Qunatification of incident solar energy is covered in detail along with basic science and physics concepts underlining every conversion and carbon sequestration. Technologies include hydroelectric, wind and wave turbines, solar thermal conversion, photovoltaic, hydrogen, fuel cells, geothermal, biogas, and biofuel.

0101	Stephanie Lansing	Seats (Total: 11)
	MW 11:00am - 12:15pm	ANS 0422
	Contact instructor or department for details.	

ENST622 **Advanced Soil Biochemistry and Microbial Ecology**

ENST622 Advanced Soil Biochemistry and Microbial Ecology; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENST200 or equivalent; or a course in microbiology or biochemistry. Credit will be granted for only one of the following: ENST422 or ENST622. Study of soil biochemical and microbial processes pertinent to nutrient cycling, environmental quality, and agriculture. Focus on microbial taxonomy, physiology, and ecology in colloidal environments and natural waters; with special emphasis on the current, multi-disciplinary literature of the field.

0101	Bruce James	Seats (Total: 12)
	TuTh 9:30am - 10:45am	HJP 1104
	Contact instructor or department for details.	

ENST647 **Advanced Biodiversity, Ecology, and Human Health**

ENST647 Advanced Biodiversity, Ecology, and Human Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: BSCI361 or permission of department. Also offered as MEES647. Credit will be granted for only one of the following: ENST447, ENST647, or MEES647. An investigation of how biodiversity and ecological processes affect human health. Humans as integral but unique members of ecosystems whose well-being depends on a range of complex ecological services will be viewed. Topics will include human-induced environmental changes, species invasions, species interactions, medicines from nature, and infectious diseases. Students will lead class discussion of peer-reviewed literature and complete an assignment writing a research grant proposal. The lab will involve researching native and introduced species of medical importance.

0101	Paul Leisnham	Seats (Total: 7)	
	M 2:00pm - 3:00pm W 9:00am - 12:00pm Contact instructor or department for details.	ANS 0422 ANS 0538	 Lab

ENST650 **Wetland Ecology**

ENST650 Wetland Ecology; (3 credits) Grade Method: REG/AUD.
Prerequisite: BIOM301 or permission of department. Also offered as MEES650. Credit will be granted for only one of the following: ENST450, ENST650 or MEES650. Plant and animal communities, biogeochemistry, and ecosystem properties of wetland systems. Laboratory emphasizes collection and analysis of field data on wetland vegetation, soil, and hydrology.

0101	Andrew Baldwin	Seats (Total: 20)	
	Tu 2:00pm - 3:15pm Th 2:00pm - 6:00pm	ANS 0422 ANS 0538	 Lab

ENST689Q **Special Topics; Embodied Energy Analysis**

ENST689Q Special Topics: Embodied Energy Analysis; (1 credit) Grade Method: REG/AUD.
Introduction to embodied energy theory and its application for understanding complexity in energy and environmental systems.

0101	David Tilley	Seats (Total: 15)
	Contact instructor or department for details.	

ENST689W **Special Topics; International Travel-Study in Wetland Science and Management**

ENST689W *(PermReq)* **Special Topics: International Travel-Study in Wetland Science and Management; (2 credits)** Grade Method: REG/AUD.
BY PERMISSION ONLY.

0101	Andrew Baldwin	Seats (Total: 15)
	Contact instructor or department for details.	

ENST789 **Advances in Research**

Contact department for information to register for this course.

ENST798 **Graduate Seminar**

ENST798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Paul Leisnham, Martin Rabenhorst	Seats (Total: 40)
	W 4:00pm - 4:50pm	ANS 0408

ENST799 **Master's Thesis Research**

ENST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

ENST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

ENST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM Entomology Fall 2009

ENTM701 **Effective Teaching: TA Training**

ENTM701 *(PermReq)* **Effective Teaching: TA Training; (1 credit)** Grade Method: REG.

A survey and discussion of topics pertinent to graduate students who are first-time teaching assistants, including teaching responsibilities and policies, effective techniques of lecturing and leading discussions, composing and grading quizzes and exams, cultural diversity, time management, and development of a teaching portfolio. All teaching assistants in the College of Life Sciences must take a 701 TA training course in one of the departments.

0101	Bretton Kent	Seats (Total: 20)	
	Tu 6:00pm - 8:00pm	BPS 1208	

ENTM788C **Entomological Topics; Colloquium**

ENTM788C Entomological Topics: Colloquium; (1-3 credits) Grade Method: REG/AUD.

0101	Leslie Pick	Seats (Total: 45)	
	F 12:00pm - 12:50pm	PLS 1130	
	F 1:00pm - 1:50pm	PLS 1130	Discussion

ENTM798A **Topic Seminar; Seminar in Systematics and Morphology**

ENTM798A Topic Seminar: Seminar in Systematics and Morphology; (1 credit) Grade Method: REG/AUD.

0101	Charles Mitter	Seats (Total: 15)
	Contact instructor or department for details.	

ENTM798V **Topic Seminar; Introduction to R for Computation and Analysis in Ecology and Evolutionary Biology**

ENTM798V Topic Seminar: Introduction to R for Computation and Analysis in Ecology and Evolutionary Biology; (1 credit) Grade Method: REG/AUD.

0101	Daniel Gruner	Seats (Total: 20)
	Contact instructor or department for details.	

ENTM799 **Master's Thesis Research**

ENTM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM898 **Pre-Candidacy Research**

ENTM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM899 **Doctoral Dissertation Research**

ENTM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS Telecommunications Fall 2009

ENTS609 **Telecommunications Project**

ENTS609 *(PermReq)* **Telecommunications Project; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS630 **The Economics of International Telecommunications**

ENTS630 The Economics of International Telecommunications; (3 credits) Grade Method: REG.
Economic analysis in telecommunications: the demand for services, the nature of production, competition, optimal pricing, and alternative regulatory options. Restricted to ENTS majors. All non-majors will need to obtain department permission.

0101	Jahangir Boroumand M 2:00pm - 4:45pm	Seats (Total: 50) VMH 1528
0201	Jahangir Boroumand M 5:30pm - 8:15pm	Seats (Total: 50) VMH 1520

ENTS635 **Decision Support Methods for Telecommunication Managers**

ENTS635 Decision Support Methods for Telecommunication Managers; (3 credits) Grade Method: REG.
Prerequisite: MATH 241 and ENEE 324 or equivalent. The aim of this course is to introduce management science techniques for informed decision making. Topics covered will include data analysis and regression, optimization models and applications (workforce scheduling, manufacturing, network design, facility location), sensitivity analysis, decision trees, risk analysis and business simulation models. Emphasis will be on telecommunications managerial problems, model development and the use of software packages for decision support. Restricted to ENTS majors. All non-majors will need to obtain department permission.

0101	Bellur Srikar Th 6:30pm - 9:15pm	Seats (Total: 35) VMH 1303
0201	Subramanian Raghavan W 2:00pm - 4:45pm	Seats (Total: 35) VMH 1528

ENTS640 **Telecommunication Networks**

ENTS640 Telecommunication Networks; (3 credits) Grade Method: REG/AUD.
An overview of design issues and the important industry standards for digital communications networks.

0101	Mehdi Kalantari Khandani F 5:30pm - 8:15pm	Seats (Total: 40) SKN 0104

ENTS650 **Network Security**

ENTS650 Network Security; (3 credits) Grade Method: REG.
Various approaches to design, specification, and verification of security protocols used in large systems and networks. Topics of network security, security threats and countermeasures, communication security and basic encryption techniques, data confidentiality and integrity, analysis of cryptographic protocols, and access control in large systems and networks.

0101	Edward Schneider Th 6:00pm - 8:45pm	Seats (Total: 25) EGR 0108

ENTS653 **PCS System Implementation**

ENTS653 PCS System Implementation; (3 credits) Grade Method: REG. *Restricted to ENTS majors. All non-majors will need to obtain permission of department. Credit will be granted for only one of the following: ENTS653 or ENTS689A. Formerly ENTS689A.* Engineering issues associated with designing and deploying a PCS cellular wireless communications system in the current world environment will be examined. It will focus on implementation issues such as the impact of real world concerns on the deployment strategy and the use of good engineering paractice to overcome obstacles. Students will create and modify mock deployments using professional tools for cell planning and interference analysis. Students will also be exposed to drive testing tools and concepts for migration to future technologies(3G and beyond).

0101	Michael Dellomo	Seats (Total: 49)
	Tu 5:30pm - 8:15pm	CSS 2324

ENTS657 **Satellite Communication Systems**

ENTS657 Satellite Communication Systems; (3 credits) Grade Method: REG. *Formerly ENTS689S.*

0101	Michael Dellomo	Seats (Total: 45)
	W 5:30pm - 8:15pm	EGR 1108

ENTS665 **Advanced Wireless Communications Networks**

ENTS665 Advanced Wireless Communications Networks; (3 credits) Grade Method: REG.

Prerequisite: ENTS689A or ENTS656. Restricted to ENTS majors. All non-majors will need to obtain permission from the department. Credit will be granted for only one of the following: ENTS689E or ENTS665. Some of the key concepts and technologies used in the design of third generation (3G) wireless networks and standards are presented. It will start with a review of wireless CDMA concepts and terminolgies followed by a more detailed discussion of new concepts and methodologies adopted in the next generation systems of efficiently support multimedia high-speed data traffic. Some of the key concepts include link adaptation, scheduling, space-time and other diversity techniques as well as advanced channel and source coding. As many techniques and concepts are similar across different 3G standards, which will initially focus on details of channelization and protocol designs for one of 3G technologies, i.e. CDMA2000 family of standards. Based on this foundation, we will then present overviews of other standards, e.g. EDGE, WCDMA and TD-CDMA emphasizing on their similarities and differences with CDMA2000. In addition to air interface features the course also presents network elements and architectures and as well as engineering considerations for 3G radio network dimensioning.

0101	Kamran Etemad Th 5:30pm - 8:15pm	Seats (Total: 40) CSS 2428

ENTS689B **Special Topics; Introduction to Digital Communication Systems**

ENTS689B Special Topics: Introduction to Digital Communication Systems; (3 credits) Grade Method: REG.

0101	Sheldon Wolk M 5:30pm - 8:15pm	Seats (Total: 20) EGR 3114

ENTS689F **Special Topics; Fundamentals of Wireless LANs**

ENTS689F Special Topics: Fundamentals of Wireless LANs; (3 credits) Grade Method: REG.

0101	Rikin Thakker F 5:30pm - 8:15pm	Seats (Total: 29) EGR 0135

ENTS689K **Special Topics; Telecommunications Entrepreneurial Practicum**

ENTS689K *(PermReq)* **Special Topics: Telecommunications Entrepreneurial Practicum; (3 credits)** Grade Method: REG.
Department permission required.

0101	Michael Dellomo	Seats (Total: 3)
	Contact instructor or department for details.	

ENTS689N **Special Topics; Network Programming**

ENTS689N Special Topics: Network Programming; (3 credits) Grade Method: REG.

0101	Masoud Hamedi	Seats (Total: 21)
	M 5:30pm - 8:15pm	EGR 1104

ENTS689P **Special Topics; Project Management for Telecommunications**

ENTS689P Special Topics: Project Management for Telecommunications; (3 credits) Grade Method: REG.

0101	Christopher White	Seats (Total: 30)
	W 5:30pm - 8:15pm	VMH 1330

ENTS699 **Independent Study in Telecommunications**

ENTS699 *(PermReq)* **Independent Study in Telecommunications; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB Epidemiology and Biostatistics Fall 2009

EPIB610 **Foundations of Epidemiology**

EPIB610 *(PermReq)* **Foundations of Epidemiology; (3 credits)** Grade Method: REG/AUD.
Not open to students who have completed HLTH720. Credit will be granted for only one of the following: EPIB610 or HLTH720. Formerly HLTH720. Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

0101	Olivia Carter-Pokras Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0302

EPIB622 **Social Determinants of Health**

EPIB622 *(PermReq)* **Social Determinants of Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of the major social variables that affect public health, including socioeconomic status, poverty, income distribution, race, social networks/support, community cohesion, psychological stress, gender, and work and neighborhood environment.

0101	Sunmin Lee Th 4:00pm - 6:45pm	Seats (Total: 20) SPH 0307

EPIB650 **Biostatistics I**

EPIB650 *(PermReq)* **Biostatistics I; (3 credits)** Grade Method: REG/AUD.
Formerly: HLTH651 and HLTH688B. Not open to students who have completed HLTH651 or HLTH688B. Credit will be granted for only one of the following: EPIB650, HLTH651, or HLTH688B. Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

0101	Xin He W 7:00pm - 9:45pm	Seats (Total: 25) SPH 0302

EPIB652 **Categorical Data Analysis**

EPIB652 *(PermReq)* **Categorical Data Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB650 and EPIB651. Methods for the analysis of categorical data as applied to public health research, including variables with two or more categories, analysis of data structures that are counted, ordered, censored, or subjecto to selection.

0101	Tongtong Wu Tu 4:00pm - 6:45pm	Seats (Total: 20) SPH 0302

EPIB698A **Special Topics in Epidemiology and Biostatistics; Introduction to SAS Statistical Programming**

EPIB698A *(PermReq)* **Special Topics in Epidemiology and Biostatistics: Introduction to SAS Statistical Programming; (3 credits)** Grade Method: REG/AUD.

0101	Guangyu Zhang	Seats (Total: 25)
	M 4:00pm - 6:45pm	SPH 0302

EPIB785 **Internship in Public Health**

EPIB785 Internship in Public Health; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

EPIB786 **Capstone Project in Public Health**

EPIB786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

EPIB788 Critical Readings in Epidemiology and Biostatistics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB798 **Independent Study**

EPIB798 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

EPIB799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

EPIB898 *(PermReq)* **Pre-Candidacy Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB899 **Doctoral Dissertation Research**

EPIB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC Family Science Fall 2009

FMSC260 **Couple Relationships**

FMSC260 Couple Relationships; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC260 or FMST260. Formerly FMST260.* Couple relationships and their alternatives in contemporary dating, courtship and marriage.

0101	Elise Resnick	Seats (Total: 65)
	TuTh 2:00pm - 3:15pm	ARM 0112

FMSC290 **Family Economics**

FMSC290 Family Economics; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: FMSC290 or FMST290. Formerly FMST290. Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations.

0101	Manouchehr Mokhtari TuTh 5:00pm - 6:15pm	Seats (Total: 65) MMH 1400

FMSC302 **Research Methods in Family Science**

FMSC302 Research Methods in Family Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: introductory statistics course. For FMSC majors only. Credit will be granted for only one of the following: FMSC302 or FMST302. Formerly FMST302. Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Patricia Fanflik TuTh 9:30am - 10:45am	Seats (Total: 80) SPH 1303

FMSC330 **Family Theories and Patterns**

FMSC330 Family Theories and Patterns; (3 credits) Grade Method: REG/AUD.
Junior standing. Credit will be granted for only one of the following: FMSC330 or FMST330. Formerly FMST330. Theory and research on the family, including a cross-cultural analysis of family patterns.

0101	Stephanie Grutzmacher TuTh 9:30am - 10:45am	Seats (Total: 60) MMH 1304
0201	Robyn Zeiger TuTh 2:00pm - 3:15pm	Seats (Total: 60) SPH 1301
0301	Christine Schull MWF 8:00am - 8:50am	Seats (Total: 49) MMH 0108

FMSC332 **Children in Families**

FMSC332 Children in Families; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: FMSC/FMST105 or PSYC100. Credit will be granted for only one of the following: FMSC332 or FMST332. Formerly FMST332.* A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101	Laura Evans TuTh 11:00am - 12:15pm	Seats (Total: 65) MMH 1304
0201	Amanda Berger MWF 12:00pm - 12:50pm	Seats (Total: 65) MMH 1304
0301	Kate Riera MWF 1:00pm - 1:50pm	Seats (Total: 65) MMH 1304

FMSC341 **Personal and Family Finance**

FMSC341 Personal and Family Finance; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC341 or FMST341. Formerly FMST341.* Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

0101	Manouchehr Mokhtari TuTh 6:30pm - 7:45pm	Seats (Total: 60) MMH 1400
0201	Jinhee Kim TuTh 11:00am - 12:15pm	Seats (Total: 49) TYD 2102

FMSC381 **Poverty, Affluence, and Families**

FMSC381 Poverty, Affluence, and Families; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC381 or FMST381. Formerly FMST381. Social, political, cultural and economic factors influencing income and wealth in American families.

0101	Colleen Vesely MWF 9:00am - 9:50am	Seats (Total: 60) MMH 1400
0201	Kevin Roy TuTh 3:30pm - 4:45pm	Seats (Total: 60) MMH 1304

FMSC383 **Delivery of Human Services to Families**

FMSC383 Delivery of Human Services to Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC/FMST330. Credit will be granted for only one of the following: FMSC381 or FMST381. Formerly FMST381. Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101	Megan Fitzgerald MWF 11:00am - 11:50am	Seats (Total: 65) MMH 1304

FMSC399 **Independent Study**

FMSC399 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC399M **Independent Study; Principles and Practices of Mediation**

FMSC399M Independent Study: Principles and Practices of Mediation; (3 credits) Grade Method: REG/P-F/AUD.

0101	Goldie Morton W 10:00am - 12:45pm	Seats (Total: 20) MMH 1402

FMSC431 **Family Crises and Intervention**

FMSC431 Family Crises and Intervention; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Credit will be granted for only one of the following: FMSC431 or FMST431. Formerly FMST431. Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

0101	Robyn Zeiger TuTh 12:30pm - 1:45pm	Seats (Total: 65) SPH 1301

FMSC432 **Adult Development and Aging in Families**

FMSC432 Adult Development and Aging in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and {SOCY100 or SOCY105}; and FMSC/FMST332 {or a comparable development course}. Credit will be granted for only one of the following: FMSC432 or FMST432. Formerly FMST432. Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

0101	Jacqueline Wallen MWF 10:00am - 10:50am	Seats (Total: 40) MMH 1304
0201	Jacqueline Wallen MWF 12:00pm - 12:50pm	Seats (Total: 40) MMH 0108

FMSC460 **Violence in Families**

FMSC460 Violence in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 or SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC460 or FMST460. Formerly FMST460. Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101	Christine Schull MWF 9:00am - 9:50am	Seats (Total: 65) MMH 1304

FMSC477 **Internship and Analysis in Family Science**

FMSC477 *(PermReq)* **Internship and Analysis in Family Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FMST383, plus an additional six FMSC/FMST credits and permission of department. For FMST majors only. Credit will be granted for only one of the following: FMSC477, FMST347 or FMST477. Formerly FMST477. A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures.

0101	Amanda Bowsher W 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 50) MMH 1400

FMSC487 **Legal Aspects of Family Problems**

FMSC487 Legal Aspects of Family Problems; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: FMSC487 or FMST487. Formerly FMST487. Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0101	Kerry Tripp TuTh 9:30am - 10:45am	Seats (Total: 55) SYM 0200
0201	Kerry Tripp TuTh 12:30pm - 1:45pm	Seats (Total: 55) MMH 1304

FMSC498 **Special Topics: Family Science; Family Studies**

FMSC498 *(PermReq)* **Special Topics: Family Science: Family Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498A **Special Topics: Family Science; Maternal, Child and Family Health**

FMSC498A Special Topics: Family Science: Maternal, Child and Family Health; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jacqueline Wallen	Seats (Total: 49)
	MWF 2:00pm - 2:50pm	MMH 0108

FMSC498H **Special Topics: Family Science; Family Studies Honors Thesis**

FMSC498H Special Topics: Family Science: Family Studies Honors Thesis; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC600 **Family Theories**

FMSC600 Family Theories; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC600 or FMST600. Formerly FMST600. An overview of the theoretical frameworks underlying research on the family. Survey of research findings.

0101	Kevin Roy	Seats (Total: 25)
	Th 9:00am - 11:45am	MMH 1108A

FMSC610 **Research Methods in Family Studies**

FMSC610 Research Methods in Family Studies; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645 or equivalent. Recommended: FMST604. Credit will be granted for only one of the following: FMSC610 or FMST610. Formerly FMST610. Research methods in family science. The role of theory, design, use of qualitative and quantitative measurement techniques, data collection and data analysis. Development of research proposals.

0101	Norman Epstein	Seats (Total: 15)
	Th 2:00pm - 4:45pm	MMH 1108A

FMSC640 **Family Therapy: Theory and Techniques**

FMSC640 *(PermReq)* **Family Therapy: Theory and Techniques; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC640 or FMST640. Formerly FMST640. Overview of fundamental theoretical concepts and clinical procedures in marital and family therapy, with an emphasis on those therapies which operate from a family systems perspective.

0101	Carol Werlinich	Seats (Total: 11)
	M 10:00am - 12:45pm	MMH 1402

FMSC642 **Normal and Abnormal Individual and Family Development**

FMSC642 *(PermReq)* **Normal and Abnormal Individual and Family Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC/FMST640. Credit will be granted for only one of the following: FMSC642 or FMST642. Formerly FMST642. Normal development and psychopathology in the family system. Emphasis on parent-child relationships and application of the current Diagnostic and Statistical Manual of Mental Disorders (DSM) to family therapy.

0101	Lindsey Hoskins	Seats (Total: 20)
	Th 9:00am - 11:45am	MMH 1310

FMSC650 **Ethical, Legal, and Professional Principles in Marriage and Family Therapy**

FMSC650 *(PermReq)* **Ethical, Legal, and Professional Principles in Marriage and Family Therapy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC650 or FMST650. Formerly FMST650. An introduction to the basic principles and practices of family therapy. Emphasis on basic therapy skills applied to a family context and on professional ethics of the family practitioner. Addresses therapist's legal responsibilities and liabilities, certification, and licensure issues.

0101	Norman Epstein	Seats (Total: 25)
	Tu 9:00am - 11:45am	MMH 1108A

FMSC652 **Diagnosis and Treatment of Mental and Emotional Disorders in Family Systems**

FMSC652 Diagnosis and Treatment of Mental and Emotional Disorders in Family Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: FMSC/FMST651. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC652 or FMST652. Formerly FMST652. Systematic assessment, diagnosis, and treatment of mental and emotional disorders in couples and families. Utilization and critique of the current Diagnostic Statistical Manual Disorders (DSM).

0101	Leigh Leslie	Seats (Total: 20)
	Tu 9:00am - 11:45am	MMH 1310

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy**

FMSC658 *(PermReq)* **Supervised Clinical Practice of Marriage and Family Therapy; (1-2 credits)** Grade Method: REG/AUD.
Prerequisite: FMST 650 and permission of instructor.

0101	Norman Epstein	Seats (Total: 10)
	W 9:00am - 12:00pm	Location: TBA

FMSC660 **Program Planning and Evaluation in Family Studies**

FMSC660 Program Planning and Evaluation in Family Studies; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC660 or FMST660. Formerly FMST660. Theory and methods of program planning and evaluation with special emphasis on family programs. Assessment of program goals and the social and psychological factors involved in program implementation. Methods for measuring the effectiveness of program delivery, as well as the impact of services on family functioning.

0101	Jacqueline Wallen	Seats (Total: 20)
	Tu 2:00pm - 4:45pm	MMH 1108A

FMSC689 **Internship**

FMSC689 *(PermReq)* **Internship; (3 credits)** Grade Method: REG/AUD.

0101	Elaine Anderson	Seats (Total: 5)
	Contact instructor or department for details.	

FMSC698 **Advanced Topics in Family Science**

FMSC698 *(PermReq)* **Advanced Topics in Family Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC699 **Independent Study**

FMSC699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC710 **Foundations in Maternal and Child Health**

FMSC710 Foundations in Maternal and Child Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: FMSC710 or FMST710. Formerly FMST710. Overview of key health issues for various maternal and child health populations, especially those within the US. Review of maternal and child health databases and major programs and public policies aimed at improving the health of mothers, children, adolescents, and their families.

0101	Edmond Shenassa	Seats (Total: 10)
	M 1:00pm - 3:45pm	MMH 1108A

FMSC789 **Non-Thesis Research**

FMSC789 *(PermReq)* **Non-Thesis Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

FMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC898 **Pre-Candidacy Research**

FMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

FMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FOLA Foreign Language Fall 2009

FOLA138A **Directed Study of a Foreign Language I; Hungarian I**

SELF-INSTRUCTIONAL LANGUAGE PROGRAM. The program is essentially self-instructional and enrollment is strictly limited. The student supplies a blank tape and receives a recorded tape with the week's lesson. There is also a manual designed for self-instruction which the student is required to purchase. A native speaking tutor will be assigned to drill the student in the material learned from the tape and the accompanying manual. Attendance at drill sessions is required. There will be one final examination administered by an outside examiner.The entire semester's grade will derive from this examination. All students planning to take one of the following courses (FOLA 138_- FOLA 159_) must complete an application (available in JMZ 1109). A mandatory orientation and scheduling meeting will be held at the beginning of the semester. Details will be posted outside of JMZ 1109. *Only the languages listed below are offered in the program.
FOLA138A *(PermReq)* **Directed Study of a Foreign Language I: Hungarian I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA138D **Directed Study of a Foreign Language I; Dutch I**

FOLA138D *(PermReq)* **Directed Study of a Foreign Language I: Dutch I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 5)	
	MW 2:00pm - 2:50pm Contact instructor or department for details.	JMZ 1123	

FOLA138E **Directed Study of a Foreign Language I; Elementary Tagalog I**

FOLA138E *(PermReq)* **Directed Study of a Foreign Language I: Elementary Tagalog I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 8)	
	M 5:00pm - 7:00pm Contact instructor or department for details.	JMZ 1211	Lab

FOLA138F **Directed Study of a Foreign Language I; Polish I: Elementary Polish**

FOLA138F *(PermReq)* **Directed Study of a Foreign Language I: Polish I: Elementary Polish; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 4)	
	W 3:30pm - 5:30pm Contact instructor or department for details.	JMZ 1123	Lab

FOLA138M **Directed Study of a Foreign Language I; Elementary Swahili I**

FOLA138M *(PermReq)* **Directed Study of a Foreign Language I: Elementary Swahili I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 5)	
	F 2:00pm - 4:00pm Contact instructor or department for details.	JMZ 1123	Lab

FOLA138P **Directed Study of a Foreign Language I; Hindi I**

FOLA138P *(PermReq)* **Directed Study of a Foreign Language I: Hindi I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 7)	
	W 6:00pm - 7:50pm	JMZ 1117	Lab
	Contact instructor or department for details.		

FOLA138R **Directed Study of a Foreign Language I; Turkish I**

FOLA138R *(PermReq)* **Directed Study of a Foreign Language I: Turkish I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 5)	
	Tu 2:00pm - 4:00pm	JMZ 1123	
	Contact instructor or department for details.		
0201	Naime Yaramanoglu	Seats (Total: 1)	
	M 2:00pm - 3:30pm	JMZ 1211	
	Contact instructor or department for details.		

FOLA138T **Directed Study of a Foreign Language I; Vietnamese I**

FOLA138T *(PermReq)* **Directed Study of a Foreign Language I: Vietnamese I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 6)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA138V **Directed Study of a Foreign Language I; Armenian I**

FOLA138V *(PermReq)* **Directed Study of a Foreign Language I: Armenian I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA139A **Directed Study of a Foreign Language II; Elementary Hungarian II**

FOLA139A *(PermReq)* **Directed Study of a Foreign Language II: Elementary Hungarian II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138A or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA139D **Directed Study of a Foreign Language II; Elementary Dutch II**

FOLA139D *(PermReq)* **Directed Study of a Foreign Language II: Elementary Dutch II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138D or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA139E **Directed Study of a Foreign Language II; Tagalog II**

FOLA139E *(PermReq)* **Directed Study of a Foreign Language II: Tagalog II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138E or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	M 12:00pm - 12:50pm	JMZ 3203	Lab
	W 12:00pm - 12:50pm	JMZ 3203	Lab
	Contact instructor or department for details.		

FOLA139F **Directed Study of a Foreign Language II; Polish II**

FOLA139F *(PermReq)* **Directed Study of a Foreign Language II: Polish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138F or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA139M **Directed Study of a Foreign Language II; Elementary Swahili II**

FOLA139M *(PermReq)* **Directed Study of a Foreign Language II: Elementary Swahili II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138M or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	F 11:00am - 11:50am	JMZ 1211	Lab
	Contact instructor or department for details.		

FOLA139P **Directed Study of a Foreign Language II; Hindi II**

FOLA139P *(PermReq)* **Directed Study of a Foreign Language II: Hindi II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138P or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 8)	
	Th 6:00pm - 8:00pm	JMZ 1122	Lab
	Contact instructor or department for details.		

FOLA139R **Directed Study of a Foreign Language II; Elementary Turkish II**

FOLA139R *(PermReq)* **Directed Study of a Foreign Language II: Elementary Turkish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Tu 12:00pm - 1:30pm	KEY 0107	Lab
	W 2:00pm - 2:50pm	JMZ 1211	Discussion

FOLA139T **Directed Study of a Foreign Language II; Vietnamese II**

FOLA139T *(PermReq)* **Directed Study of a Foreign Language II: Vietnamese II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138T or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	W 6:00pm - 8:00pm	JMZ 1226	Lab
	Contact instructor or department for details.		
0201	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA139V **Directed Study of a Foreign Language II; Elementary Armenian II**

FOLA139V *(PermReq)* **Directed Study of a Foreign Language II: Elementary Armenian II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138V or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 6)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA148A **Directed Study of a Foreign Language III; Hungarian III**

FOLA148A *(PermReq)* **Directed Study of a Foreign Language III: Hungarian III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA139A, FOLA158A or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	F 2:00pm - 4:00pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA148D **Directed Study of a Foreign Language III; Dutch III**

FOLA148D *(PermReq)* **Directed Study of a Foreign Language III: Dutch III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139D or FOLA 158D or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	MW 3:30pm - 4:30pm	JMZ 1122	Lab
	Contact instructor or department for details.		

FOLA148E **Directed Study of a Foreign Language III; Tagalog III**

FOLA148E *(PermReq)* **Directed Study of a Foreign Language III: Tagalog III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139E or FOLA 158E or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA148F **Directed Study of a Foreign Language III; Polish III**

FOLA148F *(PermReq)* **Directed Study of a Foreign Language III: Polish III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139F or FOLA 158F or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA148M **Directed Study of a Foreign Language III; Elementary Swahili III**

FOLA148M *(PermReq)* **Directed Study of a Foreign Language III: Elementary Swahili III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: FOLA 139P or FOLA 158P or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	W 2:00pm - 3:00pm	MTH B0431	Lab
	Contact instructor or department for details.		

FOLA148P **Directed Study of a Foreign Language III; Hindi III**

FOLA148P *(PermReq)* **Directed Study of a Foreign Language III: Hindi III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: FOLA 139P or FOLA 158P or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 6)	
	W 6:00pm - 8:00pm	JMZ 3122	Lab
	Contact instructor or department for details.		

FOLA148R **Directed Study of a Foreign Language III; Turkish III**

FOLA148R *(PermReq)* **Directed Study of a Foreign Language III: Turkish III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139R or FOLA 158R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Tu 9:00am - 11:00am	JMZ 3122	Lab
	Contact instructor or department for details.		

FOLA148T **Directed Study of a Foreign Language III; Vietnamese III**

FOLA148T *(PermReq)* **Directed Study of a Foreign Language III: Vietnamese III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA139T or 158T or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	M 6:00pm - 8:00pm	JMZ 1103	Lab
	Contact instructor or department for details.		

FOLA148V **Directed Study of a Foreign Language III; Elementary Armenian III**

FOLA148V *(PermReq)* **Directed Study of a Foreign Language III: Elementary Armenian III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA139V or 158V or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149A **Directed Study of a Foreign Language IV; Intermediate Hungarian**

FOLA149A *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Hungarian; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 148A or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	M 11:00am - 12:30pm	KEY 0121	Lab
	Contact instructor or department for details.		

FOLA149D **Directed Study of a Foreign Language IV; Intermediate Dutch**

FOLA149D *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Dutch; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA148D or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149E **Directed Study of a Foreign Language IV; Intermediate Tagalog**

FOLA149E *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Tagalog; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA148E or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149F **Directed Study of a Foreign Language IV; Polish IV-Intermediate**

FOLA149F *(PermReq)* **Directed Study of a Foreign Language IV: Polish IV-Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite FOLA148F.

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149M **Directed Study of a Foreign Language IV; Swahili IV - Intermediate**

FOLA149M *(PermReq)* **Directed Study of a Foreign Language IV: Swahili IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite FOLA148M or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149P **Directed Study of a Foreign Language IV; Intermediate Hindi**

FOLA149P *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Hindi; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite:FOLA148P or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 6)	
	M 6:00pm - 8:00pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA149R **Directed Study of a Foreign Language IV; Intermediate Turkish**

FOLA149R *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Turkish; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA148R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149T **Directed Study of a Foreign Language IV; Intermediate Vietnamese**

FOLA149T *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Vietnamese; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA148T consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA149V **Directed Study of a Foreign Language IV; Intermediate Armenian**

FOLA149V *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Armenian; (3 credits)** Grade Method: REG/P-F/AUD.
Directed Study of a Foreige Language IV. Prerequisite: FOLA148V or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158A **Directed Study of a Foreign Language (Intensive) I; Elementary Hungarian (Intensive)**

FOLA158A *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Hungarian (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158D **Directed Study of a Foreign Language (Intensive) I; Elementary Dutch (Intensive)**

FOLA158D *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Dutch (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 4)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158E **Directed Study of a Foreign Language (Intensive) I; Elementary Tagalog (Intensive)**

FOLA158E *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Tagalog (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158F **Directed Study of a Foreign Language (Intensive) I; Elementary Polish (Intensive)**

FOLA158F *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Polish (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158M **Directed Study of a Foreign Language (Intensive) I; Elementary Swahili I (Intensive)**

FOLA158M *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Swahili I (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 8)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA158R **Directed Study of a Foreign Language (Intensive) I; Elementary Turkish I (Intensive)**

FOLA158R *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Turkish I (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA158T **Directed Study of a Foreign Language (Intensive) I; Vietnamese I (Intensive)**

FOLA158T *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Vietnamese I (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 8)	
	Tu 6:00pm - 9:00pm Contact instructor or department for details.	JMZ 1211	Lab

FOLA158V **Directed Study of a Foreign Language (Intensive) I; Elementary Armenian I (Intensive)**

FOLA158V *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Armenian I (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	F 5:00pm - 7:30pm Contact instructor or department for details.	JMZ 1123	Lab

FOLA158X **Directed Study of a Foreign Language (Intensive) I; Elementary Urdu (Intensive)**

FOLA158X *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Urdu (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.
Students may register for FOLA 158X or 158P, not both.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	Tu 6:30pm - 9:30pm Contact instructor or department for details.	JMZ 1123	Lab

FOLA159A **Directed Study of a Foreign Language (Intensive) II; Intermediate Hungarian**

FOLA159A *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Hungarian; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158A, FOLA139A or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA159D **Directed Study of a Foreign Language (Intensive) II; Intermediate Dutch (Intensive)**

FOLA159D *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Dutch (Intensive); (6 credits)** Grade Method: REG/P-F/AUD. Prerequisite: FOLA158D, FOLA139D or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159E **Directed Study of a Foreign Language (Intensive) II; Intermediate Tagalog (Intensive)**

FOLA159E *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Tagalog (Intensive); (6 credits)** Grade Method: REG/P-F/AUD. Prerequisite: FOLA158E, FOLA139E or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159F **Directed Study of a Foreign Language (Intensive) II; Intermediate Polish (Intensive)**

FOLA159F *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Polish (Intensive); (6 credits)** Grade Method: REG/P-F/AUD. Prerequisite: FOLA158F, FOLA139F or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	M 3:00pm - 4:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA159M **Directed Study of a Foreign Language (Intensive) II; Intermediate Swahili**

FOLA159M *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Swahili; (6 credits)** Grade Method: REG/P-F/AUD. Prerequisite: FOLA158M, FOLA139M or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	W 3:00pm - 5:00pm	MTH B0431	Lab
	Contact instructor or department for details.		

FOLA159R **Directed Study of a Foreign Language (Intensive) II; Intermediate Turkish**

FOLA159R *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Turkish; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159T **Directed Study of a Foreign Language (Intensive) II; Vietnamese**

FOLA159T *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Vietnamese; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158T, FOLA139T or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Th 6:00pm - 9:00pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA159V **Directed Study of a Foreign Language (Intensive) II; Intermediate Armenian II**

FOLA159V *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Armenian II; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158V, FOLA139V or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Th 4:00pm - 6:40pm	JMZ 3205	Lab
	Contact instructor or department for details.		

FOLA159X **Directed Study of a Foreign Language (Intensive) II; Intermediate Urdu**

FOLA159X *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Urdu; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 158X or 158P or 139P or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	Th 6:30pm - 9:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA386 **Experiential Learning**

FOLA386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN French Fall 2009

FREN103 **Intensive Elementary French**

FREN103 Intensive Elementary French; (4 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed FREN101, FREN102, more than two years of high school French, or to fluent/native speakers of French. Credit will be granted for only one of the following: FREN102 or FREN103.* Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Brook Jefferson MTuWF 9:00am - 9:50am	Seats (Total: 25) JMZ 0118
0201	Mary Scullen MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2206
0301	Julia Frengs MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) PLS 1117 JMZ 1117
0401	Eva Heppelmann MTuWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1224
0501	Erin Kazee MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0120

FREN203 **Intensive Intermediate French**

FREN203 Intensive Intermediate French; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN103 or equivalent. Not open to students who have completed FREN201, four years of high school French, or to fluent/native speakers of French. Credit will be granted for only one of the following: FREN201, FREN202 or FREN203. Formerly FREN202. Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Khady Diene MTuWF 9:00am - 9:50am	Seats (Total: 25) JMZ 0120
0201	Katherine Tek MTuWF 11:00am - 11:50am	Seats (Total: 25) HBK 1108
0301	Carl Gomolka MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 3205 JMZ 1117
0401	Phuong Hoang MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0103

FREN204 **French Grammar and Composition**

FREN204 French Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN201 or FREN203. Open to students who have completed 4 years (Level 4) of high school French. Not open to native/fluent speakers of French.
Intensive study of French grammar and composition.

0101	Rebecca Cheek MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 1124
0201	Rebecca Cheek MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2120
0301	Cybele Arnaud TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 1224
0401	Cybele Arnaud TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1120

FREN211 **French Reading and Conversation**

FREN211 French Reading and Conversation; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN201 or FREN203.
Practice in spoken French at intermediate level based on readings in a variety of genres. Written homework and exams.

0101	Elizabeth Schneider	Seats (Total: 25)
	MF 9:00am - 9:50am	JMZ 2120
	W 9:00am - 9:50am	JMZ 2120

FREN242 **Francophone Writers of Africa and the African Diaspora**

FREN242 Francophone Writers of Africa and the African Diaspora; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
An analysis of the works and ideas of 20th and 21st century Francophone writers (Africa, the Caribbeans, France). Taught in English.

0101	Valerie Orlando	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	HBK 0302H

FREN243 **Masterpieces in French and Francophone Cinemas**

FREN243 Masterpieces in French and Francophone Cinemas; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
This course, taught in English, will present a large array of films directed by famous French directors (Jean Renoir, Robert Bresson, Jean-Luc Godard, Agnes Varda, etc..) and Francophone filmmakers (Arcand, Sembene) who were internationally known in their time and have had a considerable influence on today's filmmakers in the U.S. (Tarantino, Lynch, Lee, etc..) and abroad (Sissoko, Angelopoulos, VonTrier, ect..). This course will meet in the HBK Non-print Media room on Thursdays.

0101	Valerie Orlando	Seats (Total: 35)
	Tu 2:00pm - 3:15pm	HBK 0302J
	Th 2:00pm - 5:00pm	HBK 0302J

FREN250 **Introduction to French Literature**

FREN250 Introduction to French Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Recommended: FREN211. Selected readings from various genres in French literature. Discussion and brief written reports in French. Also offered as FREN 250H.

0101	Silvia Baage MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0125
0201	Silvia Baage MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125

FREN250H **Introduction to French Literature**

FREN250H Introduction to French Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Recommended: FREN211. For general honors students only. Also offered as FREN 250.

0101	Silvia Baage MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0125
0201	Silvia Baage MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125

FREN301 **Composition and Style**

FREN301 Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native or fluent speakers of French. Prerequisite: FREN250 or equivalent. Grammatical analysis, elements of style; range of written genres.

0101	Dorothee Polanz MWF 10:00am - 10:50am	Seats (Total: 20) PLS 1117
0201	Dorothee Polanz MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2123

FREN302 **Translation: French to English**

FREN302 Translation: French to English; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. Practicum in translation primarily from French to English; contrastive analysis.

0101	Lauretta Clough TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 2123
0201	Herve Campangne TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 0208

FREN312 **France Today**

FREN312 France Today; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native/fluent speakers of French. Prerequisite: FREN301 or equivalent. Analysis and discussion of current events and institutions using various French media resources.

0101	David Libber MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2122

FREN351 **From Romanticism to the Age of Modernism and Beyond**

FREN351 From Romanticism to the Age of Modernism and Beyond; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present. Also offered as FREN 351H.

0101	Elena Lozinsky MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 1122
0201	Marilyn Matar TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 3203

FREN351H **From Romanticism to the Age of Modernism and Beyond**

FREN351H From Romanticism to the Age of Modernism and Beyond; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. For general honors students only. Also offered as FREN 351.

0101	Elena Lozinsky MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 1122
0201	Marilyn Matar TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 3203

FREN386 **Experiential Learning**

FREN386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN399 **Directed Study in French**

FREN399 *(PermReq)* **Directed Study in French; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Supervised work under professor of student's choice with permission of instructor. Contact department for details.

Contact department for information to register for this course.

FREN399A **Directed Study in French**
Contact department for information to register for this course.

FREN495 **Honors Thesis Research**

FREN495 Honors Thesis Research; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to students admitted to the departmental honors program. The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

Contact department for information to register for this course.

FREN495H **Honors Thesis Research**

FREN495H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to students admitted to the departmental honors program.

Contact department for information to register for this course.

FREN498D **Special Topics in French Literature; Comedy and the Comic in Franc**

FREN498D Special Topics in French Literature: Comedy and the Comic in Franc; (3 credits) Grade Method: REG/P-F/AUD.

0101	Herve Campangne	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 0205

FREN499 **Special Topics in French Studies**

FREN499 Special Topics in French Studies; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN499E **Special Topics in French Studies; French Comic Film**

FREN499E Special Topics in French Studies: French Comic Film; (3 credits) Grade Method: REG/P-F/AUD.
Taught in French. Click here for more information.

0101	Caroline Eades	Seats (Total: 25)
	M 1:00pm - 4:00pm	EDU 2102
	W 1:00pm - 2:15pm	EDU 2102

FREN499G **Special Topics in French Studies; 18th Century**

FREN499G Special Topics in French Studies: 18th Century; (3 credits) Grade Method: REG/P-F/AUD.
Spectators, Observers, and Libertines: Moralist discourse in Eighteenth-Century France.

0101	Sarah Benharrech MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2206

FREN649A **Special Topic in Eighteenth Century French Literature**

FREN649A Special Topic in Eighteenth Century French Literature; (3 credits) Grade Method: REG/AUD.

0101	Sarah Benharrech M 4:30pm - 7:00pm	Seats (Total: 10) JMZ 1215

FREN679A **The History of Ideas of France; 20th century literature & culture**

FREN679A The History of Ideas of France: 20th century literature & culture; (3 credits) Grade Method: REG/AUD.

0101	Pierre Verdaguer W 4:30pm - 7:00pm	Seats (Total: 10) JMZ 3120

FREN699A **Seminar; The French Novel from Madame de Stael to Proust**

FREN699A Seminar: The French Novel from Madame de Stael to Proust; (3 credits) Grade Method: REG/AUD.

0101	Joseph Brami Tu 4:30pm - 7:00pm	Seats (Total: 10) JMZ 3205

FREN699L **Seminar; A Closer Look at Contemporary French -speaking Cultures.**

FREN699L Seminar: A Closer Look at Contemporary French -speaking Cultures.; (3 credits) Grade Method: REG/AUD.

IHP1	Mary Scullen Th 5:00pm - 7:30pm	Seats (Total: 9) Location: TBA
	Outreach Offering for EDCI PGCPS/MCPS Foreign Language.	

FREN798 **Master's Independent Study**

FREN798 *(PermReq)* **Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN799 **Master's Thesis Research**

FREN799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN889 **Doctoral Independent Study**

FREN889 *(PermReq)* **Doctoral Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

FREN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN899 **Doctoral Dissertation Research**

FREN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEMS Gemstone Fall 2009

GEMS100 **Freshman Honors Colloquium: Introduction to Gemstone**

GEMS100 Freshman Honors Colloquium: Introduction to Gemstone; (1 credit)
Grade Method: REG.
Restricted to first time freshman admitted to the Gemstone Program. Orienting new Gemstone students to the university and to the program through a variety of team building activities, resources, and skill exploration exercises. Students will also examine and discuss areas such as liberal education, diversity, service, arts, current events, academic integrity, and leadership style. These classes are scheduled in the Ellicott building.

0101	Caitlin White M 12:30pm - 2:00pm	Seats (Total: 14) ELL 0100A
0201	Caitlin White M 3:00pm - 4:30pm	Seats (Total: 14) ELL 0100A
0301	Caitlin White Tu 10:00am - 11:30am	Seats (Total: 13) ELL 0100A
0401	Caitlin White Tu 10:30am - 12:00pm	Seats (Total: 13) ELL 0100C
0501	Caitlin White Tu 1:00pm - 2:30pm	Seats (Total: 13) ELL 0100A
0601	Caitlin White Tu 3:30pm - 5:00pm	Seats (Total: 15) ELL 0100A
0701	Caitlin White Tu 4:00pm - 5:30pm	Seats (Total: 13) ELL 0100B
0801	Caitlin White W 9:00am - 10:30am	Seats (Total: 13) ELL 0100A
0901	Caitlin White W 9:30am - 11:00am	Seats (Total: 13) ELL 0100B
1001	Caitlin White W 12:30pm - 2:00pm	Seats (Total: 13) ELL 0100A
1101	Caitlin White W 2:30pm - 4:00pm	Seats (Total: 13) ELL 0100B

1201	Caitlin White W 3:00pm - 4:30pm	Seats (Total: 13) ELL 0100A
1301	Caitlin White W 3:30pm - 5:00pm	Seats (Total: 13) ELL 0100C
1401	Caitlin White Th 9:00am - 10:30am	Seats (Total: 13) ELL 0100A
1501	Caitlin White Th 10:30am - 12:00pm	Seats (Total: 13) ELL 0100B
1601	Caitlin White F 11:00am - 12:30pm	Seats (Total: 14) ELL 0100A
1701	Caitlin White F 12:30pm - 2:00pm	Seats (Total: 13) ELL 0100B
1801	Caitlin White F 1:00pm - 2:30pm	Seats (Total: 13) ELL 0100C

GEMS202 **Team Dynamics and Research Methodology**

GEMS202 Team Dynamics and Research Methodology; (2 credits) Grade Method: REG.

Prerequisite: GEMS100, GEM 102 and GEM 104. Corequisite: GEM 296 Restricted to Gemstone students only. Sophomore standing. This experiential course is designed to foster an understanding of effective team dynamics and basic research methodology. It will teach skills applicable to Gemstone team research and the writing of a team thesis. Upperclass Gemstone students serve as discussion facilitators. Students participate in their Gemstone teams and develop a draft of their team thesis proposal.

0101	Rebecca Thomas, Courtenay Barrett Th 3:20pm - 5:00pm	Seats (Total: 171) JMZ 0220

GEMS208A **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: First Time Section Leader**

GEMS208A Special Topics in Leadership and Team Development: Team Dynamics and Research Methodology: First Time Section Leader; (1-3 credits) Grade Method: REG.

0101	Rebecca Thomas	Seats (Total: 12)
	Contact instructor or department for details.	

GEMS208B **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: Returner Section Leader**

GEMS208B Special Topics in Leadership and Team Development: Team Dynamics and Research Methodology: Returner Section Leader; (1-3 credits) Grade Method: REG.

0101	Rebecca Thomas	Seats (Total: 12)
	Contact instructor or department for details.	

GEMS208C **Special Topics in Leadership and Team Development; Introduction to Gemstone: First Time Section Leader**

GEMS208C Special Topics in Leadership and Team Development: Introduction to Gemstone: First Time Section Leader; (1-3 credits) Grade Method: REG/AUD. These classes are scheduled in the Ellicott building.

0101	Caitlin White	Seats (Total: 14)
	M 10:00am - 10:50am	ELL 0100C
0102	Caitlin White	Seats (Total: 14)
	W 2:00pm - 2:50pm	ELL 0100C
0103	Caitlin White	Seats (Total: 14)
	Contact instructor or department for details.	

GEMS208D **Special Topics in Leadership and Team Development; Introduction to Gemstone: Returner Section Leader**

GEMS208D Special Topics in Leadership and Team Development: Introduction to Gemstone: Returner Section Leader; (1-3 credits) Grade Method: REG/AUD. These classes are scheduled in the Ellicott building.

0101	Caitlin White	Seats (Total: 14)
	M 10:00am - 10:50am	ELL 0100C

0102	Caitlin White W 2:00pm - 2:50pm	Seats (Total: 14) ELL 0100C
0103	Caitlin White Contact instructor or department for details.	Seats (Total: 14)

GEMS296 **Team Project Seminar I**

GEMS296 Team Project Seminar I; (1 credit) Grade Method: REG. *Prerequisite: GEMS100, GEMS102 and GEMS104. Corequisite: GEMS202. For Gemstone students with sophomore standing in a research team.* This is the first of six seminars during which Gemstone students carry out multidisciplinary research with the guidance of a faculty mentor. The teams develop their working relationship, start their literature search, define their research question, and set short & long term goals.

0101	Hyunchul Kim Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 1124
0102	Katerina Thompson Tu 4:00pm - 5:00pm	Seats (Total: 13) PLS 1164
0103	Gary Felton Th 5:00pm - 6:00pm	Seats (Total: 12) Location: TBA
0104	Alexander Chen Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 2207
0105	Andrea Ottesen Th 5:00pm - 6:00pm	Seats (Total: 14) JMZ 2117
0106	John Aloimonos F 3:00pm - 4:00pm	Seats (Total: 14) Location: TBA
0201	James Purtilo W 5:30pm - 6:30pm	Seats (Total: 14) Location: TBA
0202	Sameer Shah M 8:00am - 9:00am	Seats (Total: 14) Location: TBA
0203	Jae Kun Shim Tu 3:00pm - 4:00pm	Seats (Total: 12) SPH 0305

0204	Raymond Adomaitis W 8:00am - 9:00am	Seats (Total: 14) ELL 0100D
0205	Ramalingam Chellappa Th 5:15pm - 6:15pm	Seats (Total: 14) Location: TBA

GEMS396 **Team Project Seminar III**

GEMS396 Team Project Seminar III; (2 credits) Grade Method: REG. *Prerequisite: GEMS297. For Gemstone students with junior standing in a research team.* This is the third of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team presents its progress at the Gemstone Colloquia.

0101	James Wallace Tu 6:30pm - 7:30pm W 8:00am - 9:00am	Seats (Total: 14) JMZ 1122 BPS 1234
0102	Charles Carr M 6:00pm - 7:00pm W 7:00pm - 8:00pm	Seats (Total: 14) Location: TBA SQH 1107
0103	Michael Dougherty Th 4:00pm - 6:00pm	Seats (Total: 14) JMZ 3118
0104	Charles Wellford Tu 5:30pm - 6:30pm Th 7:30pm - 8:30pm	Seats (Total: 14) JMZ 1103 JMZ 1103
0105	Frederick Mowrer Tu 6:30pm - 7:30pm Th 6:30pm - 7:30pm	Seats (Total: 14) Location: TBA ELL 0100A
0106	Jason Kahn Tu 9:00pm - 10:00pm W 5:15pm - 6:15pm	Seats (Total: 14) ANA 0100 Location: TBA
0201	Joseph Sullivan M 7:00pm - 8:00pm F 2:00pm - 3:00pm	Seats (Total: 14) QAN 0103 PLS 1146

0202	Liangli Yu Tu 8:00am - 9:00am M 6:30pm - 7:30pm	Seats (Total: 14) Location: TBA Location: TBA
0203	Jeff Miller Th 8:00am - 8:50am F 2:00pm - 2:50pm	Seats (Total: 14) Location: TBA Location: TBA
0204	John Fisher W 8:00am - 9:00am W 5:00pm - 6:00pm	Seats (Total: 14) CHE 2116 WDS 0104
0205	Arnett Gaston Tu 5:00pm - 7:00pm	Seats (Total: 14) LEF 1171
0206	James Duncan M 5:00pm - 7:00pm	Seats (Total: 14) Location: TBA
0209	Angela Dawson Contact instructor or department for details.	Seats (Total: 6)

GEMS496 **Project Writing Seminar**

GEMS496 Project Writing Seminar; (2 credits) Grade Method: REG.
Prerequisite: GEMS397. For Gemstone participants only. This is the fifth of six seminars during which Gemstone students carry out research with the guidance of a faculty mentor. The team finishes the analysis of their data and writes and edits its team thesis.

0101	Mark Kantor M 6:20pm - 8:20pm	Seats (Total: 14) JMZ 1120
0102	Jianghong Meng M 5:00pm - 7:00pm	Seats (Total: 14) MMH 3419
0103	Pamela Abshire M 8:00am - 10:00am	Seats (Total: 14) JMZ 1103
0104	L Woods F 10:00am - 11:00am M 7:30pm - 8:30pm	Seats (Total: 14) Location: TBA Location: TBA

0105	Brianne Rowh M 8:00am - 9:00am W 8:00am - 9:00am	Seats (Total: 14) Location: TBA Location: TBA
0106	Rebecca Silverman W 6:30pm - 7:30pm F 3:00pm - 3:50pm	Seats (Total: 14) SQH 2119 SQH 2119
0201	Bruce Golden Tu 6:15pm - 8:15pm	Seats (Total: 14) VMH 2509
0202	Roberta Lavine, Amitabh Varshney Th 7:00pm - 9:00pm	Seats (Total: 14) JMZ 1215
0203	Adam Hsieh F 2:00pm - 3:00pm M 5:00pm - 6:00pm	Seats (Total: 14) Location: TBA Location: TBA
0204	Charles Schwartz W 9:00am - 10:00am F 7:00pm - 8:00pm	Seats (Total: 14) EGR 1179 Location: TBA
0205	Tracy Zeeger Tu 8:00pm - 9:00pm F 2:30pm - 3:30pm	Seats (Total: 14) Location: TBA Location: TBA
0206	Ning Zeng Tu 8:00am - 9:00am Th 8:00am - 9:00am	Seats (Total: 14) Location: TBA Location: TBA

GEOG Geographical Sciences Fall 2009

GEOG100 **Introduction to Geography**

GEOG100 Introduction to Geography; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to the broad field of geography as it is applicable to the general education student. The course presents the basic rationale of variations in human occupancy of the earth and stresses geographic concepts relevant to understanding world, regional and local issues.

0101	Richard Russo MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 LEF 1221	Discussion
0102	Richard Russo MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 HBK 1112	Discussion
0103	Richard Russo MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 LEF 1221	Discussion
0104	Richard Russo MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0105	Richard Russo MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1221	Discussion
0106	Richard Russo MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 SQH 1123	Discussion
0201	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) LEF 2205 LEF 1220	Discussion
0202	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1222	Discussion
0203	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 KEY 0123	Discussion
0204	Ronald Luna MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion

0205	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) LEF 2205 TYD 0102	Discussion
0206	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0207	Ronald Luna MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 25) LEF 2205 SQH 1120	Discussion
0208	Ronald Luna MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 ASY 3219	Discussion
0301	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0302	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0303	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1221	Discussion
0304	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 LEF 1222	Discussion
0305	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1221	Discussion
0306	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 KEY 0124	Discussion

0307	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 COL 0113	Discussion
0308	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 TWS 0234	Discussion
0309	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 20) LEF 2205 TWS 0201	Discussion
0310	Joseph Cirrincione TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 20) LEF 2205 SKN 1115	Discussion

GEOG100S **Introduction to Geography**

GEOG100S Introduction to Geography; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Restricted to College Park Scholars - Environmental Studies.

0201	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 3) LEF 2205 LEF 1220	Discussion
0205	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 5) LEF 2205 TYD 0102	Discussion

GEOG130 **Developing Countries**

GEOG130 Developing Countries; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

FC01	Ronald Luna TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 59) TYD 0117	

GEOG140 **Coastal Environments**

GEOG140 Coastal Environments; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Introduction to coastal environments, with emphasis on U.S. East Coast. Physical and ecological systems, beach processes, waves, currents, human impacts, coastal zone management and shoreline engineering. Case studies of coastal areas, including Ocean City, Maryland.

0101	Michael Kearney MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1222	Discussion
0102	Michael Kearney MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 COL 0100	Discussion
0103	Michael Kearney MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 ARC 1101	Discussion
0104	Michael Kearney MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0105	Michael Kearney MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 TWS 0214	Discussion
0106	Michael Kearney MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 TWS 0221	Discussion
0107	Michael Kearney MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 TWS 0207	Discussion

0108	Michael Kearney MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) LEF 2205 LEF 1220	 Discussion
0109	Michael Kearney MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) LEF 2205 EDU 0206	 Discussion
0110	Michael Kearney MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) LEF 2205 EDU 1315	 Discussion

GEOG201 **Geography of Environmental Systems**

GEOG201 Geography of Environmental Systems; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOG 211. A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology.

0101	Ralph Dubayah TuTh 9:30am - 10:45am	Seats (Total: 200) SKN 0200	

GEOG211 **Geography of Environmental Systems Laboratory**

GEOG211 Geography of Environmental Systems Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOG 201. Pre- or corequisite: GEOG201 or GEOL100 or GEOL120. A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis. This is a 2 hr, 1 credit lab which parallels GEOG 201; Required for GEOG majors; optional for non-majors. Students must pay a $40.00 laboratory materials fee.

0101	Ralph Dubayah M 9:00am - 11:00am	Seats (Total: 25) LEF 1136	 Lab

0201	Ralph Dubayah W 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	Lab
0301	Ralph Dubayah M 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	Lab
0401	Ralph Dubayah F 9:00am - 11:00am	Seats (Total: 25) LEF 1136	Lab
0501	Ralph Dubayah W 9:00am - 11:00am	Seats (Total: 25) LEF 1136	Lab
0601	Ralph Dubayah F 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	Lab
0701	Ralph Dubayah Tu 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	Lab
0801	Ralph Dubayah Th 11:00am - 1:00pm	Seats (Total: 25) LEF 1138	Lab

GEOG212 **Introduction to Human Geography Laboratory**

GEOG212 *(PermReq)* **Introduction to Human Geography Laboratory; (1 credit)**
Grade Method: REG/P-F/AUD.
Pre- or corequisite: GEOG202. For GEOG majors only. Introduction to the basic methods and techniques employed in human geography.

0101	Jennifer Pomeroy Tu 9:30am - 11:30am	Seats (Total: 25) LEF 1124	Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GEOG398Q. Credit will be granted for only one of the following: GEOG398Q or GEOG306. Formerly GEOG398Q. Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software. Students must pay a $40 laboratory materials fee.

0101	Naijun Zhou TuTh 12:30pm - 1:20pm F 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1138	 Lab
0102	Naijun Zhou TuTh 12:30pm - 1:20pm F 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab

GEOG310 **Maryland and Adjacent Areas**

GEOG310 Maryland and Adjacent Areas; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG310 or GEOG321. Formerly GEOG321. The physical environment, natural resources, and population in relation to agriculture, industry, transport, and trade in the State of Maryland and adjacent areas.

0101	Allen Eney MWF 9:00am - 9:50am	Seats (Total: 30) LEF 2166

GEOG312 **The United States and Canada**

GEOG312 The United States and Canada; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG312 or GEOG320. Formerly GEOG320. The two countries as functioning geographic systems with important differences and key linkages. An examination of the cultural, environmental, and economic components and their spatial variation. Attention to the role of regions in national economies.

0101	Allen Eney	Seats (Total: 60)
	MWF 10:00am - 10:50am	LEF 2166

GEOG330 **Cultural Geography**

GEOG330 Cultural Geography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOG201, GEOG202, ANTH220, or ANTH260; or permission of department. Credit will be granted for only one of the following: GEOG330, GEOG360, or GEOG362. Formerly GEOG362.* Impact of humans through ideas and technology on the evolution of geographic landscapes. Major themes in the relationships between cultures and environments.

0101	Richard Russo	Seats (Total: 70)
	MWF 12:00pm - 12:50pm	LEF 2166

GEOG331 **Introduction to Human Dimensions of Global Change**

GEOG331 Introduction to Human Dimensions of Global Change; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOG201, GEOG202, ANTH220, or ANTH260; or permission of department. Credit will be granted for only one of the following: GEOG331 or GEOG361. Formerly GEOG361. Introduction to global-scale interrelationship between human beings and the environment. The development of global issues including but not limited to the environment, food, energy, technology, population, and policy.

0101	Allen Eney	Seats (Total: 40)
	MWF 1:00pm - 1:50pm	LEF 2166

GEOG334 **The American City: Past and Present**

GEOG334 The American City: Past and Present; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG334 or GEOG350. Formerly GEOG350. Development of the American city from the early 19th century to the present. The internal structure of contemporary metropolitan areas, the spatial arrangement of residential, commercial, and other activities. Washington, D.C. and Baltimore examples.

0101	Mila Zlatic MW 12:00pm - 1:15pm	Seats (Total: 40) TYD 1132	

GEOG340 **Geomorphology**

GEOG340 Geomorphology; (3 credits) Grade Method: REG/P-F/AUD.
Survey of landform types and role of processes in their generation. Frequency of occurrence and implications for land utilization. Emphasis on coastal, fluvial, and glacial landforms in different environmental settings. Landform regions of Maryland.

0101	Michael Kearney MW 4:00pm - 5:15pm	Seats (Total: 60) LEF 2205	

GEOG345 **Introduction to Climatology**

GEOG345 Introduction to Climatology; (3 credits) Grade Method: REG/P-F/AUD.
The geographic aspects of climate with emphasis on energy-moisture budgets, steady-state and non steady-state climatology, and climatic variations at both macro- and micro-scales.

0101	Tatiana Loboda TuTh 11:00am - 12:15pm	Seats (Total: 60) LEF 2166	

GEOG373 **Geographic Information Systems**

GEOG373 Geographic Information Systems; (3 credits) Grade Method: REG/P-F/AUD.
Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases. Students must pay a $40.00 laboratory materials fee.

0101	Naijun Zhou Th 9:00am - 11:00am W 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

0102	Naijun Zhou Th 9:00am - 11:00am W 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0103	Naijun Zhou Th 9:00am - 11:00am M 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG384 **Internship in Geography I**

GEOG384 *(PermReq)* **Internship in Geography I; (3 credits)** Grade Method: REG/P-F.
Only GEOG384 will count toward the major requirement. Prerequisite: GEOG201/211, GEOG212, GEOG306 and (ENGL391 or ENGL393). For GEOG majors only. Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Joseph Cirrincione Contact instructor or department for details.	Seats (Total: 10)

GEOG385 **Internship in Geography II**

GEOG385 *(PermReq)* **Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD.
Only GEOG384 will count toward the major requirement. GEOG385 will count toward university requirements. Prerequisite: GEOG201, GEOG211, GEOG212, GEOG306 and Junior English. For GEOG majors only. Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Joseph Cirrincione Contact instructor or department for details.	Seats (Total: 10)

GEOG396 **Honors Research**

GEOG396 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. Senior standing. For GEOG majors only. Formerly GEOG397.* First course in the departmental honors sequence. Student development of a potential research topic under the guidance of a faculty advisor, culminating in a written and oral presentation of a research proposal.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG397 **Honors Thesis**

GEOG397 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GEOG396. Senior standing. For GEOG majors only. Formerly GEOG399.* Second course in the departmental honors sequence. Student research under the auspices of a faculty advisor, culminating in a research paper to be defended orally before the geography honors committee.

0101	Richard Russo	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

GEOG398 *(PermReq)* **Special Topics in Geography; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG398A **Special Topics in Geography; Geography of China**

GEOG398A Special Topics in Geography: Geography of China; (3 credits) Grade Method: REG/P-F/AUD.

0101	Shunlin Liang	Seats (Total: 25)
	W 1:00pm - 3:30pm	LEF 1220

GEOG418 **Field and Laboratory Techniques in Environmental Science**

GEOG418 *(PermReq)* **Field and Laboratory Techniques in Environmental Science; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department and instructor.

0101	Ralph Dubayah	Seats (Total: 15)
	Contact instructor or department for details.	

GEOG431 **Culture and Natural Resource Management**

GEOG431 Culture and Natural Resource Management; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG421 or GEOG431. Formerly GEOG421. Basic issues concerning the natural history of humans from the perspective of the geographer. Basic components of selected behavioral and natural systems, their evolution and adaptation, and survival strategies.

0101	Martha Geores	Seats (Total: 40)
	Tu 2:00pm - 4:30pm	LEF 2166

GEOG437 **Political Geography**

GEOG437 Political Geography; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG423 or GEOG437. Formerly GEOG423. Geographical factors in the national power and international relations; an analysis of the role of geopolitics and geostrategy, with special reference to the current world scene.

0101	Mila Zlatic	Seats (Total: 40)
	MW 3:30pm - 4:45pm	LEF 2166

GEOG442 **Biogeography and Environmental Change**

GEOG442 Biogeography and Environmental Change; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG342 or equivalent. Recommended: GEOG123. Credit will be granted for only one of the following: GEOG442, GEOG447, or GEOG484. Formerly GEOG447. Biogeographical topics of global significance, including a consideration of measurement techniques, and both descriptive and mechanistic modeling. Topics may include: scale in biogeography, climate and vegetation, global carbon cycle, biodiversity, interannual variability in the biosphere, land cover, global biospheric responses to climate change, NASA's Mission to Planet Earth and Earth Observation System.

0101	Stephen Prince TuTh 12:30pm - 1:45pm	Seats (Total: 30) LEF 2208	

GEOG456 **The Social Geography of Metropolitan Areas in Global Perspective**

GEOG456 The Social Geography of Metropolitan Areas in Global Perspective; (3 credits) Grade Method: REG/P-F/AUD.
A socio-spatial approach to human interaction within the urban environments: ways people perceive, define, behave in, and structure world cities and metropolitan areas. Cultural and social differences define spatial patterns of social activities which further define distinctions in distribution and interaction of people and their social institutions.

0101	Mila Zlatic MW 2:00pm - 3:15pm	Seats (Total: 40) LEF 2166	

GEOG472 **Remote Sensing: Digital Processing and Analysis**

GEOG472 Remote Sensing: Digital Processing and Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306, GEOG372 or equivalent. Credit will be granted for only one of the following: GEOG472 or GEOG480. Formerly GEOG480. Digital image processing and analysis applied to satellite and aircraft land remote sensing data. Consideration is given to preprocessing steps including calibration and geo registration. Analysis methods include digital image exploration, feature extraction thematic classification, change detection, and biophysical characterization. One or more application examples may be reviewed. Students must pay a $40.00 laboratory materials fee.

0101	Samuel Goward Th 12:30pm - 2:30pm Tu 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Samuel Goward Th 12:30pm - 2:30pm Th 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG473 **Geographic Information Systems and Spatial Analysis**
Contact department for information to register for this course.

GEOG476 **Programming for Geographers**

GEOG476 Programming for Geographers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306, GEOG373 or equivalent. Credit will be granted for only one of the following: GEOG498G or GEOG476. Formerly GEOG498G. An introduction to programming for geography. Introduces the concepts of computer programming as applied to Geography. Implementation language is Visual Basic. This course has a $40.00 lab fee.

0101	Jyoteshwar Nagol Tu 2:00pm - 4:00pm Th 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1136	 Lab
0102	Jyoteshwar Nagol Tu 2:00pm - 4:00pm Th 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1136	 Lab

GEOG498 **Topical Investigations**

GEOG498 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG600 **Introduction to Human Geography**

GEOG600 Introduction to Human Geography; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Introduces students to current trends and developments in human geography in the areas of geography as social science, space and place, and human dimensions of global change, and to research procedures in this field.

0101	Richard Russo M 2:00pm - 4:30pm	Seats (Total: 50) LEF 1124	

GEOG603 **Masters Research Tutorial**

GEOG603 Masters Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 603 or GEOG 610. Formerly GEOG610. Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.

Contact department for information to register for this course.

GEOG604 **PhD Research Tutorial**

GEOG604 PhD Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 604, GEOG 610D, or GEOG 611. Formerly GEOG611. Development of Doctoral research proposal: critical literature review; formulation of research methodology; data identification and evaluation. Individual meetings with faculty. Doctoral proposal defense before end of semester.

Contact department for information to register for this course.

GEOG606 **Quantitative Spatial Analysis**
Contact department for information to register for this course.

GEOG615 **Land Cover and Land Use Change**

GEOG615 Land Cover and Land Use Change; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG435, GEOG442, GEOG472, or GEOG473; or permission of department. This class provides an examination of land cover and land use change science, addressing the causes, impacts and projection of change. Key concepts of land use science are presented and recent research papers and case studies are reviewed. Class consists of lectures, invited presentations and individual student projects and presentations.

0101	Chris Justice	Seats (Total: 20)
	W 3:30pm - 6:00pm	LEF 1124

GEOG635 **Population and Environment**

GEOG635 Population and Environment; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: GEOG635 or GEOG788B. Formerly GEOG788B. Course explores the reciprocal relationship between human and phyical systems that result in changes in the environment. Focuses on the roles of demographic variables of population growth and migration and physical envronmental variables from both a historic and recent time frame. These processes will be examined at various scales, from local changes to global changes.

0101	Martha Geores	Seats (Total: 20)
	W 1:00pm - 3:30pm	LEF 1124

GEOG646 **Watershed Hydrology, Modeling, and Policy**

GEOG646 Watershed Hydrology, Modeling, and Policy; (3 credits) Grade Method: REG/AUD.
For GEOG majors only or permission of department. Credit will be granted for only one of the following: GEOG646 or GEOG779A. Formerly GEOG779A. Introduction to physical watershed hydrology/nonpoint water pollution, basic concepts of computer simulation models for watershed science, and conservation issues related to watershed management.

0101	In-Young Yeo	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	LEF 1220

GEOG673 **GIS Modeling**

GEOG673 GIS Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG306 and GEOG473 or equivalent. Credit will be granted for only one of the following: GEOG673 or GEOG695. Formerly GEOG695. Process modeling and spatial analysis within the GIS context. Introducestheoretical fundamentals and conceptual approaches to frame and represent geographical phenomena and spatial decision making.

0101	In-Young Yeo	Seats (Total: 20)
	W 3:30pm - 6:00pm	LEF 1171

GEOG788 **Selected Topics in Geography**

GEOG788 *(PermReq)* **Selected Topics in Geography; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG788A **Selected Topics in Geography; Geospatial Analysis Methods and Technologies for Conservation Studies**

GEOG788A Selected Topics in Geography: Geospatial Analysis Methods and Technologies for Conservation Studies; (1-3 credits) Grade Method: REG/AUD/S-F.

0101	Eric Kasischke	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	LEF 1222

GEOG789 **Independent Readings**

GEOG789 *(PermReq)* **Independent Readings; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

GEOG790 Internship in Geography; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department for information to register for this course.

GEOG793 **Professional Project I**
Contact department for information to register for this course.

GEOG798 **Selected Topics in Geography: Seminar Series; Departmental Seminar**

GEOG798 *(PermReq)* **Selected Topics in Geography: Seminar Series: Departmental Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Shunlin Liang Th 3:30pm - 5:00pm	Seats (Total: 50) LEF 1124

GEOG799 **Master's Thesis Research**

GEOG799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

GEOG898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

GEOG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL Geology Fall 2009

GEOL100 **Physical Geology**

GEOL100 Physical Geology; (3 credits) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110. Credit will be granted for only one of the following: GEOL100 or GEOL120.* A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.

0101	William McDonough MWF 1:00pm - 1:50pm	Seats (Total: 90) JMP 3201
0102	Laurent Montesi TuTh 3:30pm - 4:45pm	Seats (Total: 100) EGR 1202

0103	William McDonough	Seats (Total: 5)	
	MWF 1:00pm - 1:50pm	JMP 3201	

GEOL100S **Physical Geology**

GEOL100S Physical Geology; (3 credits) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110. Credit will be granted for only one of the following: GEOL100 or GEOL120.* Restricted to College Park Scholars - Earth, Life, and Time.

0103	William McDonough	Seats (Total: 10)	
	MWF 1:00pm - 1:50pm	JMP 3201	

GEOL104 **Dinosaurs: A Natural History**

GEOL104 Dinosaurs: A Natural History; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Dinosaurs, their evolution, and our understanding of their fossil record. Students will examine the geologic record and the tools used by paleontologists to determine: geologic ages and ancient environments; evolutionary history and extinctions; dinosarian biology and behavior; and their survival as birds. Mechanisms of global change ranging from plate tectonics to asteroid impact will be discussed.

0101	Thomas Holtz	Seats (Total: 60)	
	MWF 10:00am - 10:50am	PLS 1130	

GEOL110 **Physical Geology Laboratory**

GEOL110 Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100. Pre- or corequisite: GEOL100 or GEOL120.* The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations. Students must pay a $50.00 laboratory materials fee.

0101	Daniel Hawkins, William McDonough	Seats (Total: 25)	
	Th 12:00pm - 3:00pm	GEO 2106	Lab

0102	William McDonough, Ryan Kerrigan M 12:00pm - 3:00pm	Seats (Total: 25) GEO 2106	Lab
0103	Tracey Centorbi, William McDonough Tu 12:00pm - 3:00pm	Seats (Total: 20) GEO 2106	Lab
0104	Xiaoming Liu, William McDonough Tu 3:00pm - 6:00pm	Seats (Total: 25) GEO 2106	Lab
0106	William McDonough, Daniel Hawkins W 9:00am - 12:00pm	Seats (Total: 25) GEO 2106	Lab
0107	William McDonough, Xiaoming Liu W 3:00pm - 6:00pm	Seats (Total: 25) GEO 2106	Lab
0109	William McDonough, Tracey Centorbi Tu 9:00am - 12:00pm	Seats (Total: 25) GEO 2106	Lab
0111	William McDonough, Lisa Walsh W 12:00pm - 3:00pm	Seats (Total: 25) GEO 2106	Lab

GEOL110S **Physical Geology Laboratory**

GEOL110S Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100. Pre- or corequisite: GEOL100 or GEOL120.* Restricted to College Park Scholars - Earth, Life, and Time. Students must pay a $50.00 laboratory materials fee.

0103	Tracey Centorbi, William McDonough Tu 12:00pm - 3:00pm	Seats (Total: 5) GEO 2106	Lab

GEOL120 **Environmental Geology**

GEOL120 Environmental Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit will be granted for only one of the following: GEOL100 or GEOL120. A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0101	Sarah Penniston-Dorland TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	Discussion
0102	Sarah Penniston-Dorland TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	Discussion
0103	Sarah Penniston-Dorland TuTh 12:30pm - 1:45pm M 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	Discussion
0104	Sarah Penniston-Dorland TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0105	Sarah Penniston-Dorland TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0106	Sarah Penniston-Dorland TuTh 12:30pm - 1:45pm M 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
FC01	Tracey Centorbi TuTh 3:00pm - 4:15pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 19) HBK 0115 PLS 1172	Discussion

FC02	Tracey Centorbi TuTh 3:00pm - 4:15pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) HBK 0115 PLS 1172	Discussion

GEOL124 **Biogenesis: Making a Habitable Planet**

GEOL124 Biogenesis: Making a Habitable Planet; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
An exploration of how life has shaped Earth's physical environments, both in the contemporary Earth and over the long course of Earth history. Topics range from evidence for the origin and diversification of life and its impact on Earth environments to the mind-set and methods of the scientists who interpret it, and what those methods tell us about future interactions between life and the environment, both on Earth and in the Solar System.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	James Farquhar TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0102	James Farquhar TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0103	James Farquhar TuTh 9:30am - 10:45am W 5:00pm - 5:50pm	Seats (Total: 20) JMZ 0220 PLS 1180	Discussion
0104	James Farquhar TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	Discussion
0105	James Farquhar TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 20) JMZ 0220 PLS 1115	Discussion

0106	James Farquhar	Seats (Total: 20)	
	TuTh 9:30am - 10:45am W 5:00pm - 5:50pm	JMZ 0220 PLS 1115	Discussion

GEOL212 **Planetary Geology**

GEOL212 Planetary Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
An examination of the geologic and geochemical processes at work in the solar system from the perspectives supplied by space age exploration of the planets and other solar system bodies.

0101	Andrew Campbell	Seats (Total: 24)	
	MWF 2:00pm - 2:50pm	PLS 1115	

GEOL322 **Mineralogy**

GEOL322 Mineralogy; (4 credits) Grade Method: REG.
Prerequisites: GEOL100 or GEOL120, GEOL110; and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}; or CHEM103. Basic mineralogy for geology majors. The principles of morphologic crystallography, crystal chemistry, and determinative mineralogy.

0101	Andrew Campbell	Seats (Total: 24)	
	TuTh 8:00am - 9:15am Tu 12:00pm - 3:00pm	PLS 1172 GEO 2107	Lab

GEOL329 **Instructional Assistance Practicum**
Contact department for information to register for this course.

GEOL341 **Structural Geology**

GEOL341 Structural Geology; (4 credits) Grade Method: REG.
Prerequisite: GEOL100 or GEOL120, GEOL110, and GEOL102; or permission of department. Study of the deformation of Earth's lithosphere, especially stress, rheology, strain, and the origin and significance of structural features. Development of 3-dimensional thinking through drafting and drawing of structures, construction of geologic maps and cross-sections, and stereographic and orthographic representation of structures. Improvement of scientific writing. Two weekend field trips.

0101	Aaron Martin	Seats (Total: 20)	
	TuTh 9:30am - 10:45am M 10:00am - 1:00pm	PLS 1172 GEO 2107	Lab

GEOL386 **Experiential Learning**

GEOL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GEOL393 **Technical Writing for Geoscientists**

GEOL393 Technical Writing for Geoscientists; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: For GEOL majors only; minimum of Junior standing and at least 2 Upper Level GEOL courses with at least a third GEOL course concurrent. Planning, writing and presenting a plan for research in the geosciences.

0101	Philip Candela	Seats (Total: 10)	
	W 4:00pm - 6:00pm Contact instructor or department for details.	PLS 1111	

GEOL393H **Technical Writing for Geoscientists**

GEOL393H Technical Writing for Geoscientists; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: For GEOL majors only; minimum of Junior standing and at least 2 Upper Level GEOL courses with at least a third GEOL course concurrent. For honors students only.

0101	Philip Candela	Seats (Total: 5)	
	W 4:00pm - 6:00pm Contact instructor or department for details.	PLS 1111	

GEOL394 **Research Problems in Geology**

GEOL394 Research Problems in Geology; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. Investigation of a specific laboratory, library or field problem. Written and oral presentation of the study.

Contact department for information to register for this course.

GEOL394H **Research Problems in Geology**

GEOL394H Research Problems in Geology; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. For general honors students only.

Contact department for information to register for this course.

GEOL436 **Principles of Biogeochemistry**

GEOL436 Principles of Biogeochemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140 or MATH220, GEOL100 or GEOL120, GEOL322, and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103. An introduction to the basic principles of biogeochemistry including aspects of organic geochemistry, biochemistry, microbiology, global geochemical cycles, the origin of life and paleoenvironmental evolution.

0101	Alan Kaufman	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PLS 1115

GEOL444 **Low Temperature Geochemistry**

GEOL444 Low Temperature Geochemistry; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH115; GEOL100; GEOL322; and one of the following: CHEM103, {CHEM131 and CHEM132}, or {CHEM135 and CHEM136}. Basic chemical principles, thermodynamics, and kinetics of low-temperature inorganic and organic geochemical reactions in a wide range of surface environments. These geochemical tools will be used to provide a context for understanding elemental cycling and climate change. Laboratories will include problem sets as well as wet chemical and mass spectrometric techniques used in low temperature geochemistry.

0101	Alan Kaufman	Seats (Total: 15)	
	TuTh 8:00am - 9:15am	PLS 1158	
	M 2:00pm - 5:00pm	GEO 2117	Lab

GEOL445 **High Temperature Geochemistry**

GEOL445 High Temperature Geochemistry; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH115; GEOL100; GEOL322; and one of the following: CHEM103, {CHEM131 and CHEM132}, or {CHEM135 and CHEM136}. Review of chemical principles and their use in understanding processes of Earth, and solar system formation and differentiation. Topics include nucleosynthesis and cosmochemical abundances of elements, bonding and element partitioning, equilibrium thermodynamics and phase stabilities, radiogenic isotopes and geochronology, kinetics, and diffusion.

0101	Roberta Rudnick	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	PLS 1158	
	W 1:00pm - 4:00pm	GEO 2117	Lab

GEOL446 **Geophysics**

GEOL446 Geophysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140, MATH141, and PHYS141. Introduction to solid earth geophysics, heat transfer, fluid flow, gravity, geomagnetism, rock and mineral physics, seismology, exploration geophysics. Basic knowledge of integral and differential calculus is required.

0101	Saswata Hier-Majumder M 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 23) PLS 1119 PLS 1119

GEOL452 **Watershed and Wetland Hydrology**

GEOL452 Watershed and Wetland Hydrology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Junior standing. Physical processes by which water moves in watershed and wetland systems. Topics include: precipitation, infiltration, flow in the unsaturated zone, streamflow generation processes, and groundwater flow.

0101	Karen Prestegaard TuTh 3:30pm - 4:45pm	Seats (Total: 40) PLS 1130

GEOL489G **Special Topics; Principles of Geosciences**

GEOL489G Special Topics: Principles of Geosciences; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH140 and MATH141; and two upper-level geology courses or equivalent; or permission of instructor. A survey of grand challenges in fluid dynamics, planetary evolution, origins of life, plate tectonics, surficial processes, climate science, geobiology, and predictability. Qualitative and quantitative assessment of simple models of Earth systems.

0101	Michael Evans MWF 10:00am - 10:50am	Seats (Total: 10) CHE 2116

GEOL489Z **Special Topics; Faulting and Earthquake Mechanics**

GEOL489Z Special Topics: Faulting and Earthquake Mechanics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL100, GEOL110, MATH141, PHYS141; or permission of Instructor.

0101	Wenlu Zhu Th 2:00pm - 3:15pm Tu 3:30pm - 4:45pm	Seats (Total: 10) PLS 1111 CHE 2116

GEOL499 **Special Problems in Geology**

GEOL499 *(PermReq)* **Special Problems in Geology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Contact department for information to register for this course.

GEOL614 **Thermodynamics of Geological Processes**

GEOL614 Thermodynamics of Geological Processes; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 141; and CHEM 113; and GEOL 322; and PHYS 142.
Thermodynamics and its application to problems in mineralogy, petrology and geochemistry. Systematic development of the laws of thermodynamics and the principles of chemical equilibrium as applied to geological problems.

0101	Philip Candela	Seats (Total: 10)
	TuTh 10:30am - 11:45am	GEO 2117

GEOL650 **Isotope and Trace Element Geochemistry**

GEOL650 Isotope and Trace Element Geochemistry; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL 443 or permission of department. Trace elements and isotopes in geology, including modern applications in geochronology and petrogenesis.

0101	Richard Walker	Seats (Total: 15)
	TuTh 8:00am - 9:15am	PLS 1164

GEOL652 **Advanced Watershed and Wetland Hydrology**

GEOL652 Advanced Watershed and Wetland Hydrology; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL 452 or permission of department. Physical and chemical processes in watershed and wetland systems: with an emphasis on redox reactions.

0101	Karen Prestegaard TuTh 3:30pm - 4:45pm	Seats (Total: 10) PLS 1130

GEOL670 **Physical Oceanography**

GEOL670 Physical Oceanography; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department. Also offered as AOSC670. Credit will be granted for only one of the following: GEOL670 or AOSC670.* Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, geochemical tracers. Western boundary currents, maintenance of the termocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.

0101	James Carton MW 2:00pm - 3:15pm	Seats (Total: 20) CSS 2416

GEOL789B **Recent Advances in Geology; BIOGEOCHEMISTRY**

GEOL789B Recent Advances in Geology: BIOGEOCHEMISTRY; (3 credits) Grade Method: REG/AUD.

0101	Alan Kaufman TuTh 2:00pm - 3:15pm	Seats (Total: 10) PLS 1115

GEOL789G **Recent Advances in Geology; Principles of Geosciences**

GEOL789G Recent Advances in Geology: Principles of Geosciences; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH140 and MATH141; and two upper-level geology courses or equivalent; or permission of instructor. A survey of grand challenges in fluid dynamics, planetary evolution, origins of life, plate tectonics, surficial processes, climate science, geobiology, and predictability. Qualitative and quantitative assessment of simple models of Earth systems.

0101	Michael Evans MWF 10:00am - 10:50am	Seats (Total: 10) CHE 2116

GEOL789R **Recent Advances in Geology; Lithosphere Dynamics**

GEOL789R Recent Advances in Geology: Lithosphere Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH141, GEOL100 or GEOL120, PHYS141; Recommended: MATH246 or MATH462. An overview of the physical processes governing the mechanics and thermal evolution of the lithosphere, with selected applications varying from year to year. Possible focus may include space geodesy, a comparison between planets and satellites, the earthquake cycle, and/or flow of the crust.

0101	Laurent Montesi TuTh 9:30am - 10:45am	Seats (Total: 10) PLS 1115

GEOL789Z **Recent Advances in Geology; Faulting and Earthquake Mechanics**

GEOL789Z Recent Advances in Geology: Faulting and Earthquake Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisites: GEOL 100, GEOL 110, MATH 141, PHYS 141; or permission of Instructor.

0101	Wenlu Zhu Th 2:00pm - 3:15pm Tu 3:30pm - 4:45pm	Seats (Total: 10) PLS 1111 CHE 2116

GEOL798 **Seminar in Geology**

GEOL798 *(PermReq)* **Seminar in Geology; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

GEOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

GEOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

GEOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM Germanic Studies Fall 2009

GERM103 **Intensive Elementary German**

GERM103 Intensive Elementary German; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed GERM101, GERM102, more than two years of high school German, or to fluent/native speakers of German. Credit will be granted for only one of the following: GERM102 or GERM103. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Molly Boland MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0120
0201	Petra Volkhausen MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 1224 JMZ 2117
0301	Sabine Eubanks MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1224

GERM203 **Intensive Intermediate German**

GERM203 Intensive Intermediate German; (4 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: GERM103 or equivalent. Not open to students who have completed GERM201, GERM202, four years of high school German, or to fluent/native speakers of German. Credit will be granted for only one of the following: GERM202 or GERM203. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Ina Sammler MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 0103 JMZ 2117
0201	Ina Sammler MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 2122 JMZ 0120

GERM204 **German Grammar Review**

GERM204 German Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: GERM203 or level 4 of high school German. Not open to fluent/native speakers. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Melda Baysal Walsh MWF 11:00am - 11:50am	Seats (Total: 25) SQH 2117

GERM283 **Viking Culture and Civilization**

GERM283 Viking Culture and Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Formerly GERM383. An introduction to the lifestyle of northern Europe in the 9th to 11th centuries. Readings and instruction in English.

0101	Rose-Marie Oster TuTh 11:00am - 12:15pm	Seats (Total: 49) JMZ 2206

GERM301 **Conversation and Composition I: Germany and Its People**

GERM301 Conversation and Composition I: Germany and Its People; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM204 or equivalent. Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

0101	William Hildebrandt MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2207

GERM302 **Conversation and Composition II: Current Topics in German Society**

GERM302 Conversation and Composition II: Current Topics in German Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent. Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

0101	Susanne Van Leuven	Seats (Total: 20)
	MWF 11:00am - 11:50am	PLS 1172

GERM322 **Highlights of German Literature II**

GERM322 Highlights of German Literature II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent. Selected masterworks from different periods of German literature: Romanticism, Biedermeier, Junges Deutschland, Realism, Naturalism and its counter currents, Expressionism to the present. Readings and instruction in German.

0101	Elke Frederiksen	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 2117

GERM322H **Highlights of German Literature II**

GERM322H Highlights of German Literature II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent.

0101	Elke Frederiksen	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 2117

GERM386 **Experiential Learning**

GERM386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GERM389G **Topics in Germanic Culture; German-American Cultural Contrasts**

Contact department for information to register for this course.

GERM397H **Honors Reading (Independent Study)**

GERM397H Honors Reading (Independent Study); (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM398 **Honors Research**

GERM398 Honors Research; (3 credits) Grade Method: REG/P-F/AUD.

2430	Alene Moyer	Seats (Total: 5)
	Contact instructor or department for details.	

GERM401 **Advanced Conversation: Germany within Europe**

GERM401 Advanced Conversation: Germany within Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302 or equivalent. Development of fluency in spoken German. Discussion of contemporary issues related to Germany in context of Europe.

0101	Katharina Rudolf	Seats (Total: 20)
	MWF 11:00am - 11:50am	JMZ 3205

GERM439J **Selected Topics in German Literature; The Individual and the Demands of Global Cultural Existence**
Contact department for information to register for this course.

GERM489A **Selected Topics in Area Studies; Berlin: A Multicultural City (in English)**

GERM489A Selected Topics in Area Studies: Berlin: A Multicultural City (in English); (3 credits) Grade Method: REG/P-F/AUD.
Also offered as SLLC499G.

0101	Julie Koser	Seats (Total: 25)
	MW 3:00pm - 4:15pm	JMZ 1215

GERM489C **Selected Topics in Area Studies; Variations in Contemporary German**

GERM489C Selected Topics in Area Studies: Variations in Contemporary German; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alene Moyer	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	JMZ 1211

GERM498H **Honors Thesis Writing**

GERM498H Honors Thesis Writing; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM499 **Directed Study**

GERM499 Directed Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM673 **Variation in Contemporary German**

GERM673 Variation in Contemporary German; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: GERM 489L, GERM 673, or GERM 689L. Examines the unique, multilingual society that is modern Germany, exploring issues such as regional varieties, gendered language, language reform (and resistance to it), public and media speech, the influence of American English on colloquial speech and in specific fields, and the problems of immigrant communities acquiring both dialect and standard German. This may count for the upper-division requirement of the German major.

0101	Alene Moyer	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	JMZ 1211

GERM689G **Special Topics - M.A. Level; The 19th Century: Literatur als Kultur (Literature as Culture)**

GERM689G Special Topics - M.A. Level: The 19th Century: Literatur als Kultur (Literature as Culture); (3 credits) Grade Method: REG/AUD.

0101	Elke Frederiksen Th 5:00pm - 7:30pm	Seats (Total: 10) JMZ 2123

GERM689L **Special Topics - M.A. Level; Criminals, Outlaws, and Outsiders: Conceptions of the Other in 18th Century Literature**

GERM689L Special Topics - M.A. Level: Criminals, Outlaws, and Outsiders: Conceptions of the Other in 18th Century Literature; (1-3 credits) Grade Method: REG/AUD.

0101	Julie Koser W 5:00pm - 7:30pm	Seats (Total: 10) JMZ 1103

GERM798 **Master's Independent Study**

GERM798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM799 **Master's Thesis Research**

GERM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM829G **Seminar: The 19th Century; The 19th Century: Literatur als Kultur (Literature as Culture)**

GERM829G Seminar: The 19th Century: The 19th Century: Literatur als Kultur (Literature as Culture); (3 credits) Grade Method: REG/AUD.

0101	Elke Frederiksen Th 5:00pm - 7:30pm	Seats (Total: 10) JMZ 2123

GERM888 **Doctoral Independent Study**

GERM888 *(PermReq)* **Doctoral Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM898 **Pre-Candidacy Research**

GERM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM899 **Doctoral Dissertation Research**

GERM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK Greek Fall 2009

GREK101 **Elementary Ancient Greek I**

GREK101 Elementary Ancient Greek I; (4 credits) Grade Method: REG/P-F/AUD. *A student who has had two units of Greek in high school may register for GREK101 for purposes of review but not for credit.* Study of basic grammar, development of reading facility, and introduction to Athenian life and culture in the fifth century B.C. Classical and New Testament Greek.

0101	Lillian Doherty	Seats (Total: 22)
	MWF 2:00pm - 2:50pm	WDS 1127
	W 1:00pm - 1:50pm	WDS 1127

GREK111 **Elementary Modern Greek I**

GREK111 Elementary Modern Greek I; (3 credits) Grade Method: REG/P-F/AUD. *Not open to native speakers of Greek. Credit will be granted for only one of the following: FOLA108G or GREK111. Formerly FOLA108G.* An introduction to the language and culture of modern Greece. Students begin to acquire the basic tools of the language and to communicate, in simple everyday situations. This is the first of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the foreign language requirement of the College of Arts and Humanities.

0101	Mary Pittas-Herschbach MWF 12:00pm - 12:50pm	Seats (Total: 24) PLS 1184

GREK201 **Intermediate Ancient Greek**

GREK201 Intermediate Ancient Greek; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: GREK102 or equivalent. Advancing beyond the basic skills developed in GREK 101 and GREK 102; review of selected grammatical concepts; continuous reading of passages from Greek literature.

0101	Lillian Doherty MWF 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 15) JMZ 1123 JMZ 1123

GREK211 **Intermediate Modern Greek I**

GREK211 Intermediate Modern Greek I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native speakers of Greek. Prerequisite: GREK112 or permission of instructor. Credit will be granted for only one of the following: FOLA118G or GREK211. Formerly FOLA118G. A continuation of the study of basic structures and the development of fluency in functional, spoken and written communication. This is the first of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the foreign language requirement of the College of Arts and Humanities.

0101	Mary Pittas-Herschbach MW 2:00pm - 3:15pm	Seats (Total: 15) MMH 2407A

GREK403 **Greek Tragedy**

GREK403 Greek Tragedy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eva Stehle Tu 5:00pm - 7:40pm	Seats (Total: 15) MMH 2407A

GREK488B **Greek Readings**

GREK488B Greek Readings; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lillian Doherty	Seats (Total: 5)
	MWF 12:00pm - 12:50pm	JMZ 1123
	F 1:00pm - 1:50pm	JMZ 1123

GREK499 **Independent Study in Greek Language and Literature**

GREK499 *(PermReq)* **Independent Study in Greek Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK603 **Greek Tragedy**

GREK603 Greek Tragedy; (3 credits) Grade Method: REG/AUD.
The reading of two tragedies of the Athenian tragedians. Detailed discussion of historical background, literary art, thought, and the circumstances and manner of their production. Other tragedies will be read in English.

0101	Eva Stehle	Seats (Total: 10)
	Tu 5:00pm - 7:40pm	MMH 2407A

GREK699 **Independent Study in Greek Literature**

GREK699 *(PermReq)* **Independent Study in Greek Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK799 **Master's Thesis Research**

GREK799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT Government and Politics Fall 2009

GVPT100 **Principles of Government and Politics**

GVPT100 Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A study of the basic principles and concepts of political science.

0101	Karol Soltan MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TLF 1101	Discussion
0102	Karol Soltan MW 3:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 TYD 1118	Discussion
0103	Karol Soltan MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TYD 1114	Discussion
0104	Karol Soltan MW 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 TYD 1118	Discussion
0105	Karol Soltan MW 3:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 TYD 2102	Discussion
0106	Karol Soltan MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 KEY 0103	Discussion
0107	Karol Soltan MW 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 TYD 1114	Discussion
0108	Karol Soltan MW 3:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 TYD 2108	Discussion
0109	Karol Soltan MW 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 ASY 3207	Discussion

0110	Karol Soltan MW 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 COL 0113	Discussion
0111	Karol Soltan MW 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 COL 0113	Discussion
0112	Karol Soltan MW 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 JMZ 1215	Discussion
0201	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm Th 12:30pm - 1:20pm	Seats (Total: 25) LEF 2205 COL 3110	Discussion
0202	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm Th 12:30pm - 1:20pm	Seats (Total: 25) LEF 2205 BPS 1234	Discussion
0203	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 TYD 1118	Discussion
0204	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm Th 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 TYD 1114	Discussion
0205	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm Th 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 JMZ 2122	Discussion
0206	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 HJP 1229	Discussion
0207	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm Th 3:00pm - 3:50pm	Seats (Total: 25) LEF 2205 TYD 1114	Discussion

0208	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 SKN 1112	 Discussion
0209	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 TYD 1118	 Discussion
FC01	Benjamin Newton TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) TYD 2111	
FC02	Summer Newton MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) TYD 2111	

GVPT100H **Principles of Government and Politics**

GVPT100H Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Restricted to GVPT honors students only.

0101	Gregory McBrayer Th 2:00pm - 4:45pm *Do not exceed 90% limit.*	Seats (Total: 31) HJP 2242	

GVPT100S **Principles of Government and Politics**

GVPT100S Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Sections 0101 - 0103 restricted to College Park Scholars - InternationalStudies.
Section 0104 restricted to College Park Scholars - Public Lead ership.

0101	James Glass MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) HJP 2242 BPS 1236	 Discussion
0102	James Glass MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) HJP 2242 KEY 0103	 Discussion

0103	James Glass MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) HJP 2242 HBK 0123	Discussion
0104	James Glass MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) HJP 2242 TYD 0101	Discussion

GVPT170 **American Government**

GVPT170 American Government; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A comprehensive study of national government in the United States.

0101	Lois Vietri MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 TLF 1103	Discussion
0102	Lois Vietri MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 JMZ 1224	Discussion
0103	Lois Vietri MW 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) LEF 2205 TYD 2108	Discussion
0104	Lois Vietri MW 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) LEF 2205 KEY 0123	Discussion
0105	Lois Vietri MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 JMZ 0208	Discussion
0106	Lois Vietri MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 HZF 0106	Discussion
0107	Lois Vietri MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 KEY 0103	Discussion

0108	Lois Vietri MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 ARM 0101	Discussion
0109	Lois Vietri MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 ARM 0110	Discussion
0201	Paul Herrnson TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 TYD 0101	Discussion
0202	Paul Herrnson TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 TYD 2109	Discussion
0203	Paul Herrnson TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 TYD 1118	Discussion
0204	Paul Herrnson TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 TYD 0111	Discussion
0205	Paul Herrnson TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 2208	Discussion
0206	Paul Herrnson TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 KEY 1117	Discussion
0207	Paul Herrnson TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 TYD 1114	Discussion
0208	Paul Herrnson TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 TYD 0111	Discussion

0209	Paul Herrnson TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 TYD 0111	Discussion
FC01	Scott Racek MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) TYD 0102	

GVPT200 **International Political Relations**

GVPT200 International Political Relations; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: GVPT100. A study of the major factors underlying international relations, the methods of conducting foreign relations, the foreign policies of the major powers, and the means of avoiding or alleviating international conflicts.

0101	Scott Kastner MW 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 TYD 1114	Discussion
0102	Scott Kastner MW 9:00am - 9:50am W 3:00pm - 3:50pm	Seats (Total: 25) LEF 2205 TYD 1114	Discussion
0103	Scott Kastner MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 TYD 1114	Discussion
0104	Scott Kastner MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 TYD 2111	Discussion
0105	Scott Kastner MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 TYD 2110	Discussion
0106	Scott Kastner MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 TYD 2102	Discussion

0107	Scott Kastner MW 9:00am - 9:50am F 1:00pm - 1:50pm *Restricted to Government and Politics majors.*	Seats (Total: 25) LEF 2205 TYD 0102	Discussion
0108	Scott Kastner MW 9:00am - 9:50am F 9:00am - 9:50am *Restricted to Government and Politics majors.*	Seats (Total: 25) LEF 2205 TYD 1101	Discussion
0109	Scott Kastner MW 9:00am - 9:50am F 12:00pm - 12:50pm *Restricted to Government and Politics majors.*	Seats (Total: 25) LEF 2205 TYD 2106	Discussion

GVPT221 **Introduction to Formal Theories of Political Behavior and Politics**

GVPT221 Introduction to Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. An introduction to the theories of rational choice including theories of negotiation and bargaining, elections and voting in democracies, community organizing and the contrast between the roles and performances of government and market.

0101	Piotr Swistak MW 2:00pm - 3:15pm	Seats (Total: 40) SQH 1117
0102	David Lalman MW 2:00pm - 3:15pm	Seats (Total: 50) ARM 0110

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

GVPT241 The Study of Political Philosophy: Ancient and Modern; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. For GVPT majors only. Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0101	Ian Ward TuTh 3:30pm - 4:20pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 PLS 1111	Discussion
0102	Ian Ward TuTh 3:30pm - 4:20pm F 10:00am - 10:50am	Seats (Total: 20) ASY 2203 PLS 1115	Discussion
0103	Ian Ward TuTh 3:30pm - 4:20pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 KEY 0123	Discussion
0104	Ian Ward TuTh 3:30pm - 4:20pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 KEY 0120	Discussion
0105	Ian Ward TuTh 3:30pm - 4:20pm F 1:00pm - 1:50pm	Seats (Total: 20) ASY 2203 KEY 0121	Discussion
0106	Ian Ward TuTh 3:30pm - 4:20pm F 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 TYD 1132	Discussion
0107	Ian Ward TuTh 3:30pm - 4:20pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 TYD 0101	Discussion
0108	Ian Ward TuTh 3:30pm - 4:20pm F 1:00pm - 1:50pm	Seats (Total: 20) ASY 2203 TYD 2108	Discussion

GVPT260 **State and Local Government**

GVPT260 State and Local Government; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT170.* A study of the functioning and problems of state and local government in the United States, with illustrations from Maryland jurisdictions.

0101	Melissa Bell TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2110	

GVPT280 **Comparative Politics and Governments**

GVPT280 Comparative Politics and Governments; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. An introduction to the comparative study of politics and governance, including the analytical frameworks for studies of politics and governmental institutions and a survey of the major types of European regimes.

0101	Margaret Pearson TuTh 12:30pm - 1:45pm	Seats (Total: 75) TYD 1101

GVPT282 **The Government and Politics of the Third World**
Contact department for information to register for this course.

GVPT306 **Global Ecopolitics**

GVPT306 Global Ecopolitics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Consideration of global problems such as the growth controversy, agricultural productivity, pollution, resource depletion, the energy crisis, and the general impact of science and technology on the world ecological, socio-economic, and political system with particular emphasis on such matters as objects of public policy.

0101	Rodrigo Pinto TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 2109

GVPT309A **Topics in International Relations; Politics of War: From Vietnam to Iraq**

GVPT309A Topics in International Relations: Politics of War: From Vietnam to Iraq; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lois Vietri Tu 6:30pm - 9:15pm	Seats (Total: 40) TYD 1108

GVPT309C **Topics in International Relations; US Foreign Policy Toward Latin America and the Carribean**

GVPT309C Topics in International Relations: US Foreign Policy Toward Latin America and the Carribean; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. Recommended: GVPT200.

0101	Dorith Grant-Wisdom TuTh 2:00pm - 3:15pm	Seats (Total: 50) TYD 1101

GVPT309H **Topics in International Relations; British Politics**
Contact department for information to register for this course.

GVPT319A **Topics in Social Advocacy; Mock Trial: Introduction to Advocacy**

GVPT319A Topics in Social Advocacy: Mock Trial: Introduction to Advocacy; (1-3 credits) Grade Method: REG/P-F/AUD.
A series of lectures on trial advocacy, followed by preparation for and participation in invitational mock trial tournaments. Students may be selected to return for the spring semester to represent the University in natioanl competition. Click here for more course information.

0101	Amir Mohammad Sadeghy W 6:30pm - 9:15pm	Seats (Total: 50) TYD 2106

GVPT321 **Intermediate Formal Theories of Political Behavior and Politics**

GVPT321 Intermediate Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT221 or permission of department. Analysis of the theory of games, social choice, voting and such notions of social welfare as distributive justice and liberty.

0101	David Lalman MW 3:30pm - 4:45pm	Seats (Total: 50) ARM 0110

GVPT331 **Law and Society**

GVPT331 Law and Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 or GVPT171. Not open to students who have completed GVPT231. Credit will be granted for only one of the following: GVPT231 or GVPT331. Formerly GVPT231. A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

0101	Alan Nemeth MW 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 TYD 2108	Discussion
0102	Alan Nemeth MW 9:00am - 9:50am Th 3:00pm - 3:50pm	Seats (Total: 25) JMZ 0220 JMZ 0125	Discussion
0103	Alan Nemeth MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 TYD 0111	Discussion
0104	Alan Nemeth MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 TYD 1118	Discussion
0105	Alan Nemeth MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 TYD 0102	Discussion
0106	Alan Nemeth MW 9:00am - 9:50am Th 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 SKN 1112	Discussion

GVPT339 **Topics in Public Law**
Contact department for information to register for this course.

GVPT349D **Topics in Political Philosophy; Comparative Politics**
Contact department for information to register for this course.

GVPT350 **International Relations of the Third World**

GVPT350 International Relations of the Third World; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. A systemic view of relations between the industrialized and third world nations examining specific themes such as the legacy of colonialism, the origins and goals of national liberation movements, efforts to promote regional cooperation, and global movements such as nonalignment and the quest for a new international economic order.

0101	Dorith Grant-Wisdom W 3:30pm - 6:15pm	Seats (Total: 50) TYD 1101

GVPT354 **Peacebuilding, Post-Conflict Reconstruction, and International Development**

GVPT354 Peacebuilding, Post-Conflict Reconstruction, and International Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Sophomore standing. Also offered as BSOS354. Credit will be granted for only one of the following: BSOS354 or GVPT354. A study of the interrelation between violent conflict and socio-economic development worldwide. Students will become familiar with current strategies for designing and implementing conflict-sensitive development strategies. Also offered as ANTH368I. Click here for more information.

0101	John Grayzel TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 0101
SG91	Richard Melnick W 9:30am - 12:15pm *This section meets at the Universities at Shady Grove.*	Seats (Total: 40) SG3 2226

GVPT355 **Capstone I: International Development and Conflict Management**

GVPT355 *(PermReq)* **Capstone I: International Development and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Only open to students in IDCM Minor Program. Recommended: GVPT354. This course serves as one-half of the Capstone Session for the Minor in International Development and Conflict Management. It is designed to provide students an introduction to, and a chance to practice with, a core set of practical skills relevant to the fields of international development, humanitarian relief and conflict management. This course must be taken in conjunction with GVPT356.

0101	Daniella Fridl M 3:30pm - 6:15pm	Seats (Total: 40) TYD 0101

GVPT376 **Applied Field Research in Government and Politics**

GVPT376 *(PermReq)* **Applied Field Research in Government and Politics; (3-6 credits)** Grade Method: S-F.
Prerequisite: GVPT170. Corequisite: GVPT377. Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic adviser, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics.

0101	Elizabeth Bentley-Smith	Seats (Total: 12)
	Contact instructor or department for details.	

GVPT377 **Seminar For Academic Interns**

GVPT377 *(PermReq)* **Seminar For Academic Interns; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. Corequisite: GVPT376. The application of major concepts of political science to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making.

0101	Elizabeth Bentley-Smith	Seats (Total: 12)
	M 6:30pm - 9:45pm	TYD 0101

GVPT386 **Experiential Learning**

GVPT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

GVPT388 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of Director of Undergraduate Studies required.

Contact department for information to register for this course.

GVPT388I **Topical Investigations; Government and Politics Public Policy Internship Program**

GVPT388I *(PermReq)* **Topical Investigations: Government and Politics Public Policy Internship Program; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Lois Vietri	Seats (Total: 40)
	M 6:30pm - 9:15pm	TYD 1111

GVPT388M **Topical Investigations; Mock Trial**

GVPT388M *(PermReq)* **Topical Investigations: Mock Trial; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Amir Mohammad Sadeghy	Seats (Total: 40)
	Contact instructor or department for details.	

GVPT389 **Experiential Learning II**

GVPT389 *(PermReq)* **Experiential Learning II; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Junior standing.

Contact department for information to register for this course.

GVPT396 **Introduction to Honors Research**

GVPT396 *(PermReq)* **Introduction to Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to and permission of GVPT Honors Program. A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

Contact department for information to register for this course.

GVPT397 **Honors Research**

GVPT397 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GVPT396 and admission to GVPT honors program. Individual reading and research. Preparation of an original paper.

Contact department for information to register for this course.

GVPT399 **Seminar in Government and Politics; Honors Seminar in Public Policy, Political Behavior, and Methodlogy**

Contact department for information to register for this course.

GVPT399A **Seminar in Government and Politics; Game Theory**

GVPT399A Seminar in Government and Politics: Game Theory; (3 credits) Grade Method: REG/P-F/AUD.

0101	Piotr Swistak	Seats (Total: 40)
	Th 3:30pm - 6:15pm	SQH 1117

GVPT399D **Seminar in Government and Politics; Israeli-Palestinian Conflict & Reconciliation: Past, Present and Future Scenarios**

GVPT399D Seminar in Government and Politics: Israeli-Palestinian Conflict & Reconciliation: Past, Present and Future Scenarios; (3 credits) Grade Method: REG/P-F/AUD.

0101	Asad Ghanim	Seats (Total: 40)
	Tu 2:00pm - 4:45pm	TYD 1114

GVPT399G **Seminar in Government and Politics; State, Majority & Minority in the Middle East**

GVPT399G Seminar in Government and Politics: State, Majority & Minority in the Middle East; (3 credits) Grade Method: REG/P-F/AUD.

0101	Asad Ghanim	Seats (Total: 40)
	Tu 5:00pm - 7:45pm	TYD 1114

GVPT399K **Seminar in Government and Politics; Religion and Politics**

Contact department for information to register for this course.

GVPT399L **Seminar in Government and Politics; British Politics**
Contact department for information to register for this course.

GVPT399N **Seminar in Government and Politics; POLITICAL MOVEMENTS IN THE EUROPEAN UNION**
Contact department for information to register for this course.

GVPT399O **Seminar in Government and Politics; Governance and Public Policy**
Contact department for information to register for this course.

GVPT399R **Seminar in Government and Politics; Citizenship, Rights & Duties**
Contact department for information to register for this course.

GVPT399T **Seminar in Government and Politics; Social Policy, Social Exclusion**
Contact department for information to register for this course.

GVPT399V **Seminar in Government and Politics; Race, Ethnicity, and Social Policy**
Contact department for information to register for this course.

GVPT399W **Seminar in Government and Politics; Public Management**
Contact department for information to register for this course.

GVPT399Y **Seminar in Government and Politics; Political Economy of Sustainable Development**
Contact department for information to register for this course.

GVPT407 **International Political Economy**

GVPT407 International Political Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Junior standing. For GVPT majors only. Introduces the field of international political economy, which analyzes the ways in which economic and political changes produce both economic and political reactions. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Bartlomiej Kaminski	Seats (Total: 30)
	TuTh 8:00am - 9:15am	KEY 0103

GVPT409B **Seminar in International Relations and World Politics; Issues in Regional Integration: The Case of Post-Communist World**

GVPT409B Seminar in International Relations and World Politics: Issues in Regional Integration: The Case of Post-Communist World; (3 credits) Grade Method: REG/P-F/AUD.
Pre-requisite: GVPT200. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Bartlomiej Kaminski	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TYD 1101
	The Prerequisite for this course is GVPT200.	

GVPT409C **Seminar in International Relations and World Politics; Globalization and International Politics**

GVPT409C Seminar in International Relations and World Politics: Globalization and International Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT200. For GVPT majors only. All other majors will be p laced on the holdfile.

0101	Soo Yeon Kim	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 1132

GVPT409D **Seminar in International Relations and World Politics; International Security**

GVPT409D Seminar in International Relations and World Politics: International Security; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Sarah Croco	Seats (Total: 25)
	TuTh 9:30am - 10:45am	TYD 2108

GVPT409E **Seminar in International Relations and World Politics; International Trade Politics**

GVPT409E Seminar in International Relations and World Politics: International Trade Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT 200. For GVPT majors only

0101	Soo Yeon Kim	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	JMZ 3205

GVPT409H **Seminar in International Relations and World Politics; War**

GVPT409H Seminar in International Relations and World Politics: War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT200. Restricted to GVPT and HONR students only.

0101	George Quester	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JRN 1104

GVPT409N **Seminar in International Relations and World Politics; US and United Nations**

GVPT409N Seminar in International Relations and World Politics: US and United Nations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT200. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Kenneth Conca	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 0111

GVPT409R **Seminar in International Relations and World Politics; Human Rights and the Rule of Law in China**

GVPT409R Seminar in International Relations and World Politics: Human Rights and the Rule of Law in China; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT200. Recommend GVPT331. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Irina Aervitz	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 1103

GVPT418A **Seminar in Research Methods; U.S. Supreme Court Decision-Making**

GVPT418A Seminar in Research Methods: U.S. Supreme Court Decision-Making; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to GVPT majors only, all others will be placed on the holdfile. This course will satisfy the quantitative skills requirement for Government & Politics majors.

0101	Dennis Coyle	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TYD 2111

GVPT419B **Seminar in Public Policy; Advanced Topis in Environmental Policy Analysis**

GVPT419B Seminar in Public Policy: Advanced Topis in Environmental Policy Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GVPT170 and GVPT273. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Kenneth Conca Tu 3:30pm - 6:15pm	Seats (Total: 30) TYD 1132

GVPT423 **Elections and Electoral Behavior**

GVPT423 Elections and Electoral Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections. For GVPT majors only. All other majors will be placed on the holdfile.

0101	James Gimpel M 3:30pm - 6:15pm	Seats (Total: 30) TYD 1118

GVPT424 **Topics in Formal Theories of Political Behavior and Politics**

GVPT424 Topics in Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT221 and GVPT241. For GVPT majors only. The focus of this course will vary both by its theoretical core and its applications. The theories are likely to be those of games, social choice, and voting. The applications will usually be to problems of distributive and social justice, community organizing, responsive public policy, institutional design, alliance and coalition formation, etc. Some of the topics will involve research projects. For GVPT majors only. All other majors will be placed on the holdfile.

0101	David Lalman M 6:30pm - 9:15pm	Seats (Total: 30) KEY 0119

GVPT426 **Public Opinion**

GVPT426 Public Opinion; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Recommended: GVPT220. Junior standing. For GVPT majors only. An examination of public opinion and its effect on political action, with emphasis on opinion formation and measurement, propaganda and pressure groups. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Karen Kaufmann TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 2106	

GVPT431 **Introduction to Constitutional Law**

GVPT431 Introduction to Constitutional Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only. A systematic inquiry into the general principles of the American constitutional system, with special reference to the role of the judiciary in the interpretation and enforcement of the federal constitution. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Michael Spivey TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 TYD 1101	 Discussion
0102	Michael Spivey TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 TYD 2106	 Discussion
0103	Michael Spivey TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TYD 0101	 Discussion

GVPT432 **Civil Rights and the Constitution**

GVPT432 Civil Rights and the Constitution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT331. For GVPT majors only. A study of civil rights in the American constitutional context, emphasizing freedom of religion, freedom of expression, minority discrimination, and the rights of defendants.

SG91	Samantha Davis	Seats (Total: 40)
	M 9:30am - 12:15pm	SG3 2225
	This section meets at the Universities at Shady Grove.	

GVPT441 **History of Political Theory: Ancient and Medieval**
Contact department for information to register for this course.

GVPT449B **Seminar in Political Philosophy; Political Theory and Social Criticism**

GVPT449B Seminar in Political Philosophy: Political Theory and Social Criticism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT241. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Ian Ward	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 1108

GVPT449H **Seminar in Political Philosophy; Distributive Justice in Theory and Practice**

GVPT449H Seminar in Political Philosophy: Distributive Justice in Theory and Practice; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Honors GVPT majors.

0101	Joe Oppenheimer	Seats (Total: 20)
	W 3:30pm - 6:45pm	TYD 1136

GVPT449Y **Seminar in Political Philosophy; Environmental Political Theory**
Contact department for information to register for this course.

GVPT454 **Seminar in the International Relations of China**

GVPT454 Seminar in the International Relations of China; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Junior standing. For GVPT majors only. Credit will be granted for only one of the following: GVPT409D or GVPT454. Formerly GVPT409D. Explores the foreign relations behavior of the People's Republic of China, with focus on the contemporary era.

0101	Margaret Pearson TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 1108

GVPT457 **American Foreign Relations**

GVPT457 American Foreign Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT200. Junior standing. For GVPT majors only.* The principles and machinery of the conduct of American foreign relations, with emphasis on the Departments of State and Defense, and an analysis of the major foreign policies of the United States.

0101	George Quester TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 0101

GVPT459C **Seminar in Comparative Politics; Eastern European Politics**

GVPT459C Seminar in Comparative Politics: Eastern European Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT200 or GVPT280. For GVPT majors only. All other majors will be placed on holdfile.

0101	Vladimir Tismaneanu TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 1101

GVPT459D **Seminar in Comparative Politics; Terrorism**

GVPT459D Seminar in Comparative Politics: Terrorism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT200 or GVPT280. For GVPT majors only. All other majors will be placed on holdfile.

0101	Johanna Birnir TuTh 2:00pm - 3:15pm	Seats (Total: 30) PLS 1113

GVPT460 **Problems in State and Local Government**

GVPT460 Problems in State and Local Government; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Recommended: GVPT260. For GVPT majors only. A study of the structure, procedures and policies of state and local governments with special emphasis on the state level and on intergovernmental relationships, and with illustrations from Maryland governmental arrangements.

0101	Stella Rouse TuTh 2:00pm - 3:15pm	Seats (Total: 30) TYD 2102	

GVPT462 **Urban Politics**

GVPT462 Urban Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Recommended: GVPT260. Credit will be granted for only one of the following: GVPT461 or GVPT462. Urban political process and institutions considered in the light of changing social and economic conditions.

0101	Karen Kaufmann TuTh 2:00pm - 3:15pm	Seats (Total: 30) TYD 1102	

GVPT473 **Legislatures and Legislation**

GVPT473 Legislatures and Legislation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only. A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress and its members. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Eric Uslaner MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 2106 ARC 1103	 Discussion
0102	Eric Uslaner MW 12:00pm - 12:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 2106 JMZ 2123	 Discussion
0103	Eric Uslaner MW 12:00pm - 12:50pm Th 4:00pm - 4:50pm	Seats (Total: 25) TYD 2106 TYD 2108	 Discussion

GVPT475 **The Presidency and the Executive Branch**

GVPT475 The Presidency and the Executive Branch; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only. An examination of the U.S. presidency in historical and contemporary perspective: nomination and electoral politics and the president's place in policy-making, administration, and public opinion. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Irwin Morris MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 TYD 2106	 Discussion
0102	Irwin Morris MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 TYD 0102	 Discussion
0103	Irwin Morris MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 TYD 1102	 Discussion

GVPT479B **Seminar in American Politics; Race, Ethnicity & Politics in the United States**

GVPT479B Seminar in American Politics: Race, Ethnicity & Politics in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Brian McKenzie MW 2:00pm - 3:15pm	Seats (Total: 30) TYD 1101	

GVPT479D **Seminar in American Politics; Minority Politics**

GVPT479D Seminar in American Politics: Minority Politics; (3 credits) Grade Method: REG/P-F/AUD.
For GVPT majors only. All other majors will be placed on the holdfile.

0101	Stella Rouse TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 1102	

GVPT479H **Seminar in American Politics; Political Ambition**

GVPT479H Seminar in American Politics: Political Ambition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on holdfile.

0101	Frances Lee TuTh 2:00pm - 3:15pm	Seats (Total: 20) TYD 0102	

GVPT479I **Seminar in American Politics; Immigration Politics and Policy**

GVPT479I Seminar in American Politics: Immigration Politics and Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on holdfile.

0101	James Gimpel W 3:30pm - 6:15pm	Seats (Total: 30) TYD 2111	

GVPT608 **Workshop in Government & Politics**

GVPT608 *(PermReq)* **Workshop in Government & Politics; (1-2 credits)** Grade Method: REG/AUD.

0101	Karol Soltan W 10:00am - 10:50am	Seats (Total: 12) TYD 1111	

GVPT622 **Quantitative Methods For Political Science**

GVPT622 Quantitative Methods For Political Science; (3 credits) Grade Method: REG/AUD.
Introduction to quantitiative methods of data analysis, with emphasis on statistical methods and computer usage. Measures of association, probability, correlation, linear regression estimation techniques, introductory analysis of variance, and use of package computer programs. Course will meet in the LeFrak OASIS lab.

0101	William Reed W 12:30pm - 3:15pm F 1:00pm - 3:00pm	Seats (Total: 12) TYD 1136 COL 3111	 Discussion

0102	William Reed W 6:30pm - 9:15pm F 1:00pm - 3:00pm	Seats (Total: 12) TYD 1111 COL 3111	 Discussion

GVPT700 **Scope and Method of Political Science**

GVPT700 Scope and Method of Political Science; (3 credits) Grade Method: REG/AUD.

Required of all Ph.D. candidates. A seminar in the methodologies of political science, and their respective applications to different research fields. Interdisciplinary approaches and bibliographical techniques are also reviewed.

0101	Antoine Banks Th 3:30pm - 6:15pm	Seats (Total: 10) ARC 1121
0201	Sarah Croco Th 3:30pm - 6:15pm	Seats (Total: 10) TYD 1108
0301	Daniel Corstange Th 3:30pm - 6:15pm	Seats (Total: 10) ARC 1125

GVPT708A **Seminar in International Relations Theory; International Relations Theory**

GVPT708A Seminar in International Relations Theory: International Relations Theory; (3 credits) Grade Method: REG/AUD.

0101	Paul Huth Tu 12:30pm - 3:15pm	Seats (Total: 12) TYD 1136

GVPT729A **Special Topics in Quantitative Political Analysis; Advanced MLE**

GVPT729A Special Topics in Quantitative Political Analysis: Advanced MLE; (3 credits) Grade Method: REG/AUD.

0101	Michael Hanmer Tu 9:30am - 12:15pm	Seats (Total: 12) TYD 1111

GVPT743 **Contemporary Political Theory**

GVPT743 Contemporary Political Theory; (3 credits) Grade Method: REG. *Prerequisite: Graduate Standing.* Theorists from Nietzsche (1884-1900) to the present will be covered with a focus on the apparent failure of the Enlightenment to usher in an age of peace and reason.

0101	James Glass	Seats (Total: 12)
	M 3:30pm - 6:15pm	TYD 1136

GVPT770 **Seminar in American Political Institutions**

GVPT770 Seminar in American Political Institutions; (3 credits) Grade Method: REG/AUD.
This is the core institutions seminar in American politics. The course surveys the primary literature in the field and addresses substantively significant topics related to the study of political institutions in the American context.

0101	Frances Lee	Seats (Total: 12)
	Tu 9:30am - 12:15pm	TYD 1136

GVPT799 **Master's Thesis Research**

GVPT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT845 **Marxist Political Theory**

GVPT845 Marxist Political Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: GVPT 443 or permission of instructor.* Intensive study and analysis of the leading ideas of Marx and Engels and their development in the different forms of social democracy and of communism.

0101	Vladimir Tismaneanu	Seats (Total: 12)
	Th 12:30pm - 3:15pm	TYD 1111

GVPT848A **Current Problems in Political Theory; Liberalism, Capabilities, and Citizenship**

GVPT848A Current Problems in Political Theory: Liberalism, Capabilities, and Citizenship; (3 credits) Grade Method: REG/AUD.

0101	Richard Boyd Tu 3:30pm - 6:15pm	Seats (Total: 12) TYD 1136

GVPT849 **Readings in Government and Politics**

GVPT849 *(PermReq)* **Readings in Government and Politics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT859A **Selected Topics in Public Policy; Proseminar in Politics, Philosphy, and Public Policy**

GVPT859A Selected Topics in Public Policy: Proseminar in Politics, Philosphy, and Public Policy; (3 credits) Grade Method: REG/AUD.

0101	Alec Walen, Karol Soltan Tu 12:30pm - 3:15pm	Seats (Total: 15) VMH 1107

GVPT878B **Problems in American Government and Politics; Social Capital**

GVPT878B Problems in American Government and Politics: Social Capital; (3 credits) Grade Method: REG/AUD.

0101	Eric Uslaner M 3:30pm - 6:15pm	Seats (Total: 12) TYD 1111

GVPT878D **Problems in American Government and Politics; Voting Behavior and Participation**

GVPT878D Problems in American Government and Politics: Voting Behavior and Participation; (3 credits) Grade Method: REG/AUD.

0101	Michael Hanmer Th 9:30am - 12:15pm	Seats (Total: 12) TYD 1111

GVPT888E **Selected Topics in Comparative Governmental Institutions; Politics of Conflict**

GVPT888E Selected Topics in Comparative Governmental Institutions: Politics of Conflict; (3 credits) Grade Method: REG/AUD.

0101	Johanna Birnir	Seats (Total: 12)
	Th 9:30am - 12:15pm	TYD 1136

GVPT889B **Selected Topics in Area Problems in International Relations; International Relations Theory and East Asia**

GVPT889B Selected Topics in Area Problems in International Relations: International Relations Theory and East Asia; (3 credits) Grade Method: REG/AUD.

0101	Scott Kastner	Seats (Total: 12)
	Tu 3:30pm - 6:15pm	TYD 1111

GVPT898 **Pre-Candidacy Research**

GVPT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

GVPT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HEBR Hebrew Fall 2009

HEBR111 **Elementary Hebrew I**

For other courses, see JWST - Jewish Studies. Students who have no knowledge of Hebrew should register for HEBR 111. Students who have studied Hebrew elsewhere are required to consult N. Levy.

HEBR111 Elementary Hebrew I; (6 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed HEBR101 and HEBR102. Credit will be granted for only one of the following: HEBR101 and HEBR102; or HEBR111. Modern Israeli Hebrew. Emphasis on conversation. Study of linguistic structure and development of audio-lingual, writing and reading ability. For beginners. This course meets six hours per week for 6 credits.

0101	Nili Levy MWF 9:00am - 10:00am MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 3203 JMZ 1120
0201	Tal Norman, Einat Gonen MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1123 JMZ 3118
0301	Michelle Cohen, Tal Frankel MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 3118 JMZ 2122

HEBR211 **Intermediate Hebrew I**

HEBR211 Intermediate Hebrew I; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: HEBR112 or equivalent. Not open to students who have completed HEBR201 and HEBR202. Credit will be granted for only one of the following: HEBR201 and HEBR202; or HEBR211. Study of linguistic structure, further development of audio-lingual, reading, writing, and speaking skills. Reading of texts and newspapers designed to give some knowledge of Hebrew life, thought and culture. Individual testing required for placement first week of class.

0101	Nili Levy MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 0103
0201	Tal Norman, Tal Frankel MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 1103 JMZ 3203

HEBR313 **Conversation and Composition I**

HEBR313 Conversation and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR212 or equivalent. A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

0101	Einat Gonen TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1226

0201	Avital Feuer	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 1123

HEBR381 **Introduction to Hebrew Cultural Studies**

HEBR381 Introduction to Hebrew Cultural Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR314 or permission of instructor. Also offered as JWST381. Credit will be granted for only one of the following: HEBR381 or JWST381. Critical study of Israeli culture with emphasis on literature, film, and art as sites of struggle over political and social meaning during times of cultural transformation. Focus on the historical development of Israeli identity and gender, in particular within the military and Zionist youth movements. Taught in Hebrew. Also offered as JWST319D.

0101	Eric Zakim	Seats (Total: 20)
	Tu 9:30am - 10:45am Th 9:30am - 10:45am	JMZ 1215 JMZ 2120

HEBR386 **Experiential Learning**

HEBR386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

HEBR498C **Special Topics in Hebrew; Israeli Cinema**

HEBR498C Special Topics in Hebrew: Israeli Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419C.

0101	Eric Zakim	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	SQH 1119

HEBR499 **Independent Study in Hebrew**

HEBR499 Independent Study in Hebrew; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP Hearing and Speech Sciences Fall 2009

HESP120 **Introduction to Linguistics**

HESP120 Introduction to Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Tess Wood TuTh 12:30pm - 1:45pm	Seats (Total: 45) TYD 0117
0201	Tess Wood TuTh 9:30am - 10:45am	Seats (Total: 45) BPS 1238

HESP202 **Introduction to Hearing and Speech Sciences**

HESP202 Introduction to Hearing and Speech Sciences; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

0101	Kathleen Skinker TuTh 11:00am - 12:15pm	Seats (Total: 100) SQH 1120

HESP300 **Introduction to Psycholinguistics**

HESP300 Introduction to Psycholinguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department. Recommended: HESP120 or LING200. An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	Rochelle Newman	Seats (Total: 53)
	TuTh 11:00am - 12:15pm	TYD 0102

HESP305 **Anatomy and Physiology of the Speech Mechanism**

HESP305 Anatomy and Physiology of the Speech Mechanism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department.
Anatomy, physiology, and neurology of speech mechanism.

0101	Barbara Sonies	Seats (Total: 55)
	MW 11:00am - 12:15pm	TYD 2109

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

HESP311 Anatomy, Pathology and Physiology of the Auditory System; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department.
Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Kelly King	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	PLS 1130

HESP386 **Experiential Learning**

HESP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

HESP388 Undergraduate Research Externship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP389 **LEAP Classroom Internship**

HESP389 LEAP Classroom Internship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

HESP400 Speech and Language Development in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP300 with a grade of "C" (2.0) or better, or permission of department. Recommended: HESP120 or LING200. For HESP majors or by permission of department. Analysis of the normal processes of speech and language development in children.

0101	Froma Roth	Seats (Total: 50)
	TuTh 9:30am - 10:45am	LEF 2208

HESP403 **Introduction to Phonetic Science**

HESP403 Introduction to Phonetic Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP305 with a grade of "C" (2.0) or better, or permission of department. For HESP majors or by permission of department. An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

0101	Matthew Winn	Seats (Total: 39)
	Th 6:00pm - 8:30pm	TYD 1101

HESP406 **Acquired Neurogenic Communication Disorders in Adults**

HESP406 Acquired Neurogenic Communication Disorders in Adults; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: {HESP300 and HESP305} with a grade of "C" (2.0) or better or permission of department. For HESP majors or by permission of department. Survey of the dysarthrias and aphasias in adults from an interdisciplinary point of view.

0101	Yasmeen Shah TuTh 11:00am - 12:15pm	Seats (Total: 50) LEF 2208

HESP407 **Bases of Hearing Science**

HESP407 Bases of Hearing Science; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP311 with a grade of "C" (2.0) or better or permission of department. For HESP majors only or by permission of department.* Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.

0101	Golbarg Mehraei MW 11:00am - 12:15pm	Seats (Total: 25) EDU 0114

HESP410 **Organic Speech Disorders**

HESP410 Organic Speech Disorders; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP305 with a grade of C (2.0) or better; or permission of department. Recommended: HESP403. For HESP majors only or permission of department. Credit will be granted for only one of the following: HESP410 or HESP498C. Formerly HESP498C.* Overview of cleft palate, pediatric and adult swallowing disorders, pediatric cerebral palsy, including dysarthria/apraxia, and their effects on communication; treatment considerations.

0101	Wei Tian MW 9:30am - 10:45am	Seats (Total: 40) TYD 0111

HESP411 **Introduction to Audiology**

HESP411 Introduction to Audiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP311 with a grade of "C" (2.0) or better, or permission of department. For HESP majors or permission of department.* An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0101	Christopher Zalewski, Kelly King TuTh 5:00pm - 6:15pm	Seats (Total: 46) ASY 1213

HESP417 **Principles and Methods in Speech-Language Pathology and Audiology**

HESP417 *(PermReq)* **Principles and Methods in Speech-Language Pathology and Audiology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: HESP400, HESP411, and at least one of HESP402, HESP404, HESP406, or HESP408 with a grade of "C" (2.0) or better; or permission of department. For HESP majors or permission of department. Offered fall only. The principles underlying the treatment of speech, language and hearing disorders in children and adults. Offered fall only.

0101	Vivian Sisskin, Brad Ingrao	Seats (Total: 52)
	MW 1:00pm - 2:50pm	LEF 2208

HESP499 **Independent Study; Topics in the Hearing and Speech Sciences**

HESP499 *(PermReq)* **Independent Study: Topics in the Hearing and Speech Sciences; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP600 **Instrumentation in Hearing and Speech Sciences**

HESP600 *(PermReq)* **Instrumentation in Hearing and Speech Sciences; (3 credits)** Grade Method: REG/AUD.
Prerequisite: For students seeking doctoral degree in Audiology and permission of department; or permission of instructor. Types and principles of operation of electronic equipment used in the hearing and speech sciences. Offered fall only.

0101	Peter Fitzgibbons	Seats (Total: 10)
	W 3:30pm - 6:00pm	LEF 0104A

HESP604 **Acoustical and Perceptual Phonetics**

HESP604 Acoustical and Perceptual Phonetics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Principles and current laboratory techniques in analysis of the acoustical characteristics of the speech signal and discussion of models of speech perception.

0101	Rochelle Newman	Seats (Total: 10)
	Contact instructor or department for details.	

HESP606 **Basic Hearing Measurements**

HESP606 Basic Hearing Measurements; (3 credits) Grade Method: REG/AUD. *Prerequisite: For students seeking doctoral degree in Audiology, (HESP411 or equivalent) and permission of department; or permission of instructor.* Theoretical principles, methodology, and interpretation of routine audiometric tests, including pure tone, speech, and acoustic immittance measures. Modification of procedures for special populations. Equipment calibration and mass hearing screening programs.

0101	Sandra Gordon-Salant	Seats (Total: 30)
	Th 3:30pm - 6:00pm	LEF 0135

HESP612 **Fluency Disorders**

HESP612 *(PermReq)* **Fluency Disorders; (3 credits)** Grade Method: REG/AUD. *Prerequisite: For students seeking masters degree in Speech Language and permission of department; or permission of instructor.* The nature of fluency disorders. Principles, methods and procedures for the clinical management of fluency disorders in children and adults.

0101	Vivian Sisskin, Nan Ratner	Seats (Total: 25)
	Tu 1:00pm - 3:30pm	LEF 0135

HESP616 **Language Disorders in Children**

HESP616 Language Disorders in Children; (3 credits) Grade Method: REG/AUD. *Prerequisite: For students seeking masters degree in Speech Language, (HESP400 or equivalent), and permission of department; or permission of instructor.* Theoretical, empirical and clinical perspectives on language disorders in children.

0101	Froma Roth	Seats (Total: 20)
	Th 1:00pm - 3:30pm	LEF 0135

HESP622 **Neuromotor Disorders of Speech**

HESP622 *(PermReq)* **Neuromotor Disorders of Speech; (3 credits)** Grade Method: REG/AUD.
Prerequisite: For students seeking masters degree in Speech Language and permission of department; or permission of instructor. Effects of neuropathology on speech production. Classification and assessment of the resultant disorders and their treatment.

0101	Nancy Solomon Tu 6:30pm - 9:15pm	Seats (Total: 25) LEF 0135

HESP624 **Voice Disorders**

HESP624 *(PermReq)* **Voice Disorders; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Etiological characteristics, assessment and treatment of phonatory disorders in children and adults.

0101	Wei Tian W 6:15pm - 8:45pm	Seats (Total: 30) TLF 1103

HESP630 **Electrophysiological Measurements**

HESP630 Electrophysiological Measurements; (3 credits) Grade Method: REG/AUD.
Prerequisite: For students seeking doctoral degree in Audiology, HESP606, and permission of department; or permission of instructor. Principles and techniques of physiological and electrophysiological measures of the audio-vestibular mechanisms. Offered fall only.

0101	Tracy Fitzgerald W 1:00pm - 3:30pm	Seats (Total: 10) LEF 0135

HESP638 **Research Practicum**

HESP638 *(PermReq)* **Research Practicum; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP645 **Pediatric Audiology**

HESP645 *(PermReq)* **Pediatric Audiology; (3 credits)** Grade Method: REG/AUD. *Prerequisite: For students seeking doctoral degree in Audiology, HESP606, and permission of department; or permission of instructor.* Evaluation and treatement of hearing-impaired children. Offered Fall only.

0101	Tracy Fitzgerald	Seats (Total: 10)
	F 1:00pm - 3:30pm	LEF 0135

HESP648A **Clinical Practice in Speech; Diagnostic Procedures**

HESP648A *(PermReq)* **Clinical Practice in Speech: Diagnostic Procedures; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648B **Clinical Practice in Speech; Therapeutic Procedures**

HESP648B *(PermReq)* **Clinical Practice in Speech: Therapeutic Procedures; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

HESP649A *(PermReq)* **Clinical Practice in Audiology: Diagnostic Audiology; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

HESP649B *(PermReq)* **Clinical Practice in Audiology: Aural Rehabilitation; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP700 **Hearing Aids**

HESP700 Hearing Aids; (3 credits) Grade Method: REG/AUD.
Principles, methods and procedures for selection, fitting, calibration and management of amplification systems for hearing-impaired children and adults.

0101	LaGuinn Sherlock	Seats (Total: 10)
	Tu 4:00pm - 6:30pm	LEF 1221

HESP702 **Diagnostic Procedures in Speech-Language Pathology**

HESP702 Diagnostic Procedures in Speech-Language Pathology; (3 credits) Grade Method: REG/AUD.
Prerequisite: For student seeking masters degree in Speech Language and permission of department; or permission of instructor. Diagnostic tools and methods in the analysis of speech-language disorders in children and adults.

0101	Colleen Worthington	Seats (Total: 30)
	Tu 9:30am - 12:00pm	LEF 0135

HESP708 **Independent Study**

HESP708 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP710 **Industrial and Environmental Noise Problems**

HESP710 Industrial and Environmental Noise Problems; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Evaluation and control of noise hazards. Effects of noise on man. Medico-legal aspects of noise-induced hearing impairment.

0101	Lynn Cook	Seats (Total: 20)
	W 6:00pm - 8:30pm	LEF 0135

HESP722 **Psychoacoutics**

HESP722 Psychoacoutics; (3 credits) Grade Method: REG/AUD.
Auditory perception and auditory processing in normal and impaired hearing.

0101	Monita Chatterjee M 4:00pm - 6:30pm	Seats (Total: 20) LEF 0135

HESP728 **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

HESP728 *(PermReq)* **Advanced Clinical Practice in Speech: Advanced Graduate Laboratory Practicum in Speech-Language Pathology; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

HESP729 *(PermReq)* **Advanced Clinical Practice in Audiology: Advanced Graduate Laboratory Practicum in Audiology; (1-8 credits)** Grade Method: REG.

1301	Margaret McCabe TBA Contact instructor or department for details.	Seats (Total: 10) LEF 0135

HESP788 **Graduate Research Externship**

HESP788 Graduate Research Externship; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

HESP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP808R **Current Research in Hearing, Speech and Language Services; Seminar in Contemporary Research: A Survey of Research Methods in CSD**

HESP808R Current Research in Hearing, Speech and Language Services: Seminar in Contemporary Research: A Survey of Research Methods in CSD; (3 credits) Grade Method: REG.

0101	Yasmeen Shah	Seats (Total: 20)
	Contact instructor or department for details.	

HESP829 **Clinical Internship Residency**

HESP829 Clinical Internship Residency; (1-9 credits) Grade Method: REG/AUD.

1301	Margaret McCabe	Seats (Total: 30)
	Contact instructor or department for details.	

HESP849 **Capstone Research Project I**

HESP849 Capstone Research Project I; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

HESP859 Capstone Research Project II; (1-2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP868 **Seminar in Speech Science**

HESP868 Seminar in Speech Science; (3 credits) Grade Method: REG/AUD.

1601	Instructor: TBA	Seats (Total: 3)
	Contact instructor or department for details.	

HESP889 **Doctoral Candidacy Research**

HESP889 Doctoral Candidacy Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

HESP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

HESP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HISP Historic Preservation Fall 2009

HISP600 **Introductory Seminar in Historic Preservation: Theory, History and Practice**

HISP600 *(PermReq)* **Introductory Seminar in Historic Preservation: Theory, History and Practice; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. An introduction to the wide range of ideas underpinning the practice of preservation covered through readings, discussions, presentations, class projects, and field trips.

0101	Donald Linebaugh	Seats (Total: 15)
	W 7:00pm - 9:40pm	ARC 1101

HISP611 **Historical Research Methods**

HISP611 Historical Research Methods; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP610 or HISP611. Research methods used by professional historic preservationists to identify and record historic structures and sites. Emphasizes inter/multidisciplinary nature of contemporary preservation practice using archival and ethnographic evidence as a basis for establishing significance.

0101	Donald Linebaugh	Seats (Total: 15)
	Th 7:00pm - 9:40pm	ARC 1101

HISP629 **Independent Studies in Historic Preservation**

HISP629 *(PermReq)* **Independent Studies in Historic Preservation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HISP635 **Social and Ethnic Issues in Historic Preservation Practice**

HISP635 Social and Ethnic Issues in Historic Preservation Practice; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Not open to students who have completed HISP628E. Credit will be granted for only one of the following: HISP628E or HISP635. Formerly HISP628E. This seminar course examines the broader social and ethnic dimensions of historic preservation practice that have impacted the field since the "culture wars" of the 1990's. Through weekly case studies of local, international sites, students will explore these issues and apply newly emerging methodologies to their final case study project. Also offered as AMST629D.

0101	Mary Sies	Seats (Total: 15)
	Tu 7:00pm - 9:40pm	HZF 1108

HISP650 **Historic Preservation Studio Workshop**

HISP650 *(PermReq)* **Historic Preservation Studio Workshop; (6 credits)** Grade Method: REG/AUD.
Prerequisite: HISP600; and permission of department. Recommended: First Year MHP Courses. For HISP majors only. Students carry out a group preservation project in a local community, from inception and problem formulation through completion. Guided carefully by a faculty team, students will conduct research, interact with communities, perform analyses, and propose solutions for an issue or problem of direct relevance to a local community and client group.

0101	Mary Konsoulis	Seats (Total: 15)
	TuTh 3:00pm - 6:00pm	Location: TBA

HISP660 **Internship in Historic Preservation**

HISP660 *(PermReq)* **Internship in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Formerly HISP619. Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

0101	Donald Linebaugh	Seats (Total: 15)
	Contact instructor or department for details.	

HISP680 **Preservation Economics**

HISP680 *(PermReq)* **Preservation Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Not open to students who have completed HISP619N. Credit will be granted for only one of the following: HISP619N or HISP680. Formerly HISP619N. Students are introduced to a range of economic theories, methods, and issues that must be considered in the practice of historic preservation. Case studies related to community economic development, adaptive reuse, tax credit programs, project finance, and land use will be presented.

0101	Alfred Tetrault	Seats (Total: 15)
	M 7:00pm - 9:40pm	ARC 1125

HISP700 **Final Seminar in Historic Preservation**

HISP700 Final Seminar in Historic Preservation; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. Several group seminars during the semester to discuss project development and research strategies are included.

0101	Brooke Wortham-Galvin	Seats (Total: 15)
	Contact instructor or department for details.	

HISP701 **Certificate Portfolio Project**

HISP701 Certificate Portfolio Project; (1 credit) Grade Method: REG/AUD.
Prerequisite: permission of department. Recommended: HISP600, HISP610, and HISP640. Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

0101	Donald Linebaugh	Seats (Total: 20)
	Contact instructor or department for details.	

HISP710 **Final Project in Historic Preservation I**

HISP710 Final Project in Historic Preservation I; (1 credit) Grade Method: REG/AUD.
Credit will be granted for only one of the following: HISP700 or HISP710. Formerly HISP700. An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.

0101	Donald Linebaugh	Seats (Total: 15)
	W 5:00pm - 6:00pm	ASY 3217

HIST History Fall 2009

HIST106 **American Jewish Experience**

HIST106 American Jewish Experience; (3 credits) Grade Method: REG/P-F/AUD.
CORE Social or Political History (SH) Course.
Also offered as JWST141. Credit will be granted for only one of the following: HIST106 or JWST141. History of the Jews in America from colonial times to the present. Emphasis on the waves of migration from Germany and Eastern Europe; the changing nature of the American Jewish community and its participation in American social, economic and political life.

0101	Marsha Rozenblit	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 0116

HIST110 **The Ancient World**

HIST110 The Ancient World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

0101	Arthur Eckstein TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0102	Arthur Eckstein TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0103	Arthur Eckstein TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0104	Arthur Eckstein TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0105	Arthur Eckstein TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0106	Arthur Eckstein TuTh 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0107	Arthur Eckstein TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0108	Arthur Eckstein TuTh 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0119	Discussion

0109	Arthur Eckstein TuTh 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion
0110	Arthur Eckstein TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0111	Arthur Eckstein TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0112	Arthur Eckstein TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion

HIST111 **The Medieval World**

HIST111 The Medieval World; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The development of Europe in the Middle Ages; the role of religious values in shaping new social, economic, and political institutions; medieval literature, art and architecture.

0101	Janna Bianchini MW 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0102	Janna Bianchini MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0103	Janna Bianchini MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0104	Janna Bianchini MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

0105	Janna Bianchini MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0106	Janna Bianchini MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 2117	Discussion
0107	Janna Bianchini MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0108	Janna Bianchini MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 1122	Discussion
0109	Janna Bianchini MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0110	Janna Bianchini MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0111	Janna Bianchini MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0112	Janna Bianchini MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 LEF 1222	Discussion

HIST113 **Modern Europe: 1789 - Present**

HIST113 Modern Europe: 1789 - Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Evolution of modern nation states. Industrial-economic structure and demography. Emergence of modern secular society.

0101	Jeffrey Herf MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) EGR 1202 KEY 0124	Discussion
0102	Jeffrey Herf MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) EGR 1202 EGR 1102	Discussion
0103	Jeffrey Herf MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) EGR 1202 EGR 3114	Discussion
0104	Jeffrey Herf MW 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 20) EGR 1202 KEY 0119	Discussion
0105	Jeffrey Herf MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) EGR 1202 EGR 2116	Discussion
0106	Jeffrey Herf MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 20) EGR 1202 JMZ 2122	Discussion
0107	Jeffrey Herf MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) EGR 1202 WDS 1131	Discussion
0108	Jeffrey Herf MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) EGR 1202 KEY 0121	Discussion
FC01	Paul Schmitt MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) KEY 0121	

HIST120 Islamic Civilization

HIST120 Islamic Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Introduction to society and culture in the Middle East since the advent of Islam: as a personal and communal faith; as artistic and literary highlights of intellectual and cultural life; and as the interplay between politics and religion under the major Islamic regimes.

0101	Antoine Borrut MW 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion
0102	Antoine Borrut MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0117	Discussion
0103	Antoine Borrut MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0126	Discussion
0104	Antoine Borrut MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0124	Discussion

HIST122 **African Civilization to 1800**

HIST122 African Civilization to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
History of Africa from earliest times to 1800. Topics of study include origins of African societies, Nile Valley civilization, medieval African states and societies, Islam, oral traditions, African slavery and the slave trade, and early African-European interactions. Also offered as AASP298A.

0101	Hilary Jones MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0102	Hilary Jones MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0119	Discussion

0103	Hilary Jones MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 TLF 1103	 Discussion
0104	Hilary Jones MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 KEY 0119	 Discussion

HIST156 **History of the United States to 1865**

HIST156 History of the United States to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101	Ira Berlin MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0123	 Discussion
0102	Ira Berlin MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 LEF 1221	 Discussion
0103	Ira Berlin MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 LEF 1221	 Discussion
0104	Ira Berlin MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TLF 1103	 Discussion
0105	Ira Berlin MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion
0106	Ira Berlin MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 WDS 1131	 Discussion

0107	Ira Berlin MW 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 SKN 1112	 Discussion
0108	Ira Berlin MW 11:00am - 11:50am Th 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 LEF 1221	 Discussion
0109	Ira Berlin MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion
0110	Ira Berlin MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion
0111	Ira Berlin MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0125	 Discussion
0112	Ira Berlin MW 11:00am - 11:50am Th 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0201	Richard Bell TuTh 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion
0202	Richard Bell TuTh 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0123	 Discussion
0203	Richard Bell TuTh 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TYD 2108	 Discussion
0204	Richard Bell TuTh 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion

0205	Richard Bell TuTh 9:00am - 9:50am Th 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0206	Richard Bell TuTh 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0209	Richard Bell TuTh 9:00am - 9:50am Th 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0125	Discussion
0212	Richard Bell TuTh 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 1215	Discussion
FC01	Donald McNeilly TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) BPS 1238	

HIST157 **History of the United States Since 1865**

HIST157 History of the United States Since 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101	Emily Landau TuTh 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0102	Emily Landau TuTh 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0103	Emily Landau TuTh 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 HJP 1229	Discussion

0104	Emily Landau TuTh 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0126	Discussion
0105	Emily Landau TuTh 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0106	Emily Landau TuTh 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0107	Emily Landau TuTh 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0108	Emily Landau TuTh 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0109	Emily Landau TuTh 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0103	Discussion
0110	Emily Landau TuTh 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0111	Emily Landau TuTh 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0112	Emily Landau TuTh 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 PLS 1146	Discussion
0201	Edwin Smead MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

0202	Edwin Smead MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 2125	Discussion
0203	Edwin Smead MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0204	Edwin Smead MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0205	Edwin Smead MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0206	Edwin Smead MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0207	Edwin Smead MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 0103	Discussion
0208	Edwin Smead MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 1120	Discussion
0209	Edwin Smead MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 0118	Discussion
0210	Edwin Smead MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion
0211	Edwin Smead MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion

0212	Edwin Smead MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0121	 Discussion
0301	David Freund MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0124	 Discussion
0302	David Freund MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion
0303	David Freund MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 COL 3114	 Discussion
0304	David Freund MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion
0305	David Freund MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0306	David Freund MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0124	 Discussion
0307	David Freund MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0125	 Discussion
0308	David Freund MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TLF 1103	 Discussion
0309	David Freund MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0123	 Discussion

0310	David Freund MW 10:00am - 10:50am Th 3:00pm - 3:50pm	Seats (Total: 20) KEY 0106 KEY 0119	 Discussion
0311	David Freund MW 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0120	 Discussion
0312	David Freund MW 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0103	 Discussion
FC01	Thomas Castillo TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) HBK 0123	
FC02	Mark Levengood MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEY 0125	
FC03	Donald McNeilly TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) TLF 1101	

HIST175 **Science and Technology in Western Civilization**

HIST175 Science and Technology in Western Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Key periods of change in science and technology; the causes and effects of these changes beginning with prehistory and ending with the current century.

0101	Robert Friedel MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 HJP 1104	 Discussion
0102	Robert Friedel MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0120	 Discussion

0103	Robert Friedel MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 1224	Discussion
0104	Robert Friedel MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 0118	Discussion
0105	Robert Friedel MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1103	Discussion
0106	Robert Friedel MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 0208	Discussion
0107	Robert Friedel MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0108	Robert Friedel MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion

HIST208G **Historical Research and Methods Seminar; Women, Revolution, and Authoritarianism in 20th-Century Latin America**

HIST208G *(PermReq)* **Historical Research and Methods Seminar: Women, Revolution, and Authoritarianism in 20th-Century Latin America; (3 credits)** Grade Method: REG.

0101	Patricia Acerbi Th 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0107	

HIST208W **Historical Research and Methods Seminar; Athens and the Golden Age: 500-323 B.C.**

HIST208W *(PermReq)* **Historical Research and Methods Seminar: Athens and the Golden Age: 500-323 B.C.; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Elizabeth Conner M 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0201	Elizabeth Conner F 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST208X **Historical Research and Methods Seminar; The Rise of the Right: The 20th Century Conservative Movement in the United States**

HIST208X *(PermReq)* **Historical Research and Methods Seminar: The Rise of the Right: The 20th Century Conservative Movement in the United States; (3 credits)** Grade Method: REG.

Prerequisite: permission of department.

0101	John Hardin Tu 9:30am - 11:30am Contact instructor or department for details.	Seats (Total: 15) TLF 2103
0201	John Hardin Tu 12:30pm - 2:30pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST208Y **Historical Research and Methods Seminar; Gender and Science, Technology and Society in the Americas**

HIST208Y *(PermReq)* **Historical Research and Methods Seminar: Gender and Science, Technology and Society in the Americas; (3 credits)** Grade Method: REG.

Prerequisite: permission of department.

0101	Sarah Walsh W 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0201	Sarah Walsh Th 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST208Z **Historical Research and Methods Seminar; Race and Gender in Early America, 1730-1850**

HIST208Z *(PermReq)* **Historical Research and Methods Seminar: Race and Gender in Early America, 1730-1850; (3 credits)** Grade Method: REG. Prerequisite: permission of department.

0101	Dorothy Spencer M 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117	
0201	Dorothy Spencer Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117	

HIST210 **Women in America to 1880**

HIST210 Women in America to 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as WMST210. Credit will be granted for only one of the following: HIST210 or WMST210.* An examination of the economic, family and political roles of colonial, slave, immigrant and frontier women in America from pre-industrial colonial period through the early stages of the 19th-century industrialization and urbanization.

0101	Clare Lyons MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 KEY 0119	Discussion
0102	Clare Lyons MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 0119	Discussion
0103	Clare Lyons MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 TYD 2110	Discussion
0104	Clare Lyons MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 0119	Discussion
0105	Clare Lyons MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 LEF 1201	Discussion

0106	Clare Lyons MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 WDS 1131	Discussion
0107	Clare Lyons MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 TYD 2108	Discussion
0108	Clare Lyons MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 0123	Discussion

HIST212 **Women in Western Europe, 1750-Present**

HIST212 Women in Western Europe, 1750-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as WMST212. Credit will be granted for only one of the following: HIST212 or WMST212. An analysis of the economic, family, and political roles of European women from 1750 to the present. The effects of industrialization on women's work and status, the demographic parameters of women's lives, and women's participation in political events from market riots to suffrage struggles.

0101	Gay Gullickson TuTh 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0120	Discussion
0102	Gay Gullickson TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 0123	Discussion
0103	Gay Gullickson TuTh 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0123	Discussion
0104	Gay Gullickson TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 TLF 1101	Discussion

HIST219J **History of West Africa: Colonialism, Commerce and Culture**

HIST219J History of West Africa: Colonialism, Commerce and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Hilary Jones MW 1:00pm - 2:15pm	Seats (Total: 39) KEY 0125	

HIST219M **Special Topics in History: Asian American History**

HIST219M Special Topics in History: Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as AAST201.

0101	Lisa Mar MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) SYM 0200 WDS 1127	Discussion
0201	Lisa Mar MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) SYM 0200 WDS 1127	Discussion
0301	Lisa Mar MW 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 20) SYM 0200 JMZ 1224	Discussion
0401	Lisa Mar MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) SYM 0200 JMZ 0118	Discussion

HIST219R **Special Topics in History; The Cold War**
Contact department for information to register for this course.

HIST219V **Special Topics in History; The Atlantic World in the Early Modern Period**

HIST219V Special Topics in History: The Atlantic World in the Early Modern Period; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alejandro Caneque MW 1:00pm - 2:15pm	Seats (Total: 30) WDS 0104	

HIST224 **Modern Military History, 1494-1815**

HIST224 Modern Military History, 1494-1815; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Survey of the military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the dynastic wars of the Valois and Habsburgs to the national wars of the French Revolution and Empire.

0101	Jon Sumida MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0102	Jon Sumida MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0103	Jon Sumida MW 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0104	Jon Sumida MW 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 0103	Discussion
0105	Jon Sumida MW 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 2117	Discussion
0106	Jon Sumida MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0107	Jon Sumida MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0125	Discussion
0108	Jon Sumida MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0101	Discussion

HIST232 **The Historical Development of London**
Contact department for information to register for this course.

HIST235 **History of Britain 1461 to 1714**

HIST235 History of Britain 1461 to 1714; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
British history from the War of the Roses to the Hanoverian succession; Yorkist and Tudor society and politics; the Renaissance and Reformation in England, Henry VIII through Elizabeth I; 17th-century crises and revolutions; intellectual and cultural changes; the beginnings of empire; the achievement of political and intellectual order.

0101	Sabrina Baron TuTh 9:30am - 10:45am	Seats (Total: 40) SQH 1117	

HIST236 **History of Britain 1688 to Present**
Contact department for information to register for this course.

HIST237 **Russian Civilization**

HIST237 Russian Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
An overview of Russian history stressing the main lines of development of the Russian state and the evolution of Russian culture to the present day.

FC01	Daniel Stotland TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEY 0125	

HIST250 **Latin American History I**

HIST250 Latin American History I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Latin America from pre-Columbian Indian cultures to the beginnings of the wars for independence (ca. 1810), covering cultural, political, social, and economic developments.

0101	Mary Vaughan TuTh 9:30am - 10:20am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0123	 Discussion

0102	Mary Vaughan TuTh 9:30am - 10:20am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0120	Discussion
0103	Mary Vaughan TuTh 9:30am - 10:20am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1103	Discussion
0104	Mary Vaughan TuTh 9:30am - 10:20am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 LEF 1222	Discussion

HIST251 **Latin American History II**

HIST251 Latin American History II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
The political culture of the republics of Latin America. Themes include nation building, modernization, race relations, economic development, gender, reform and revolution, and relations between the United States and Latin America.

FC01	Patricia Acerbi MW 3:00pm - 4:15pm *"Restricted to students in Freshmen Connection"*	Seats (Total: 24) KEY 0126

HIST255 **African-American History, 1865 - Present**

HIST255 African-American History, 1865 - Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
An introductory course in the African-American experience in the United States from 1865 to present. Topics include the aftermath of the Civil War on US race relations, the rise of segregation, northern migration, World War I and II, Civil Rights Movements, and the Black Power Movement.

0101	Alfred Moss TuTh 11:00am - 12:15pm	Seats (Total: 40) CHM 2201

HIST266 **The United States in World Affairs**

HIST266 The United States in World Affairs; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
A study of the United States as an emerging world power and the American response to changing status in world affairs. Emphasis on the relationship between internal and external development of the nation.

0101	Daniel Rubin TuTh 12:30pm - 1:45pm	Seats (Total: 39) TYD 1102
FC01	Daniel Rubin MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) KEY 0121

HIST275 **Law and Constitutionalism in American History**

HIST275 Law and Constitutionalism in American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
An exploration of the relationship between law and the social and political order between 1750 and 1950. Discussion of important historical issues--religious liberty, economic development, slavery and the Civil War, the political economy of industrialization, the creation of the modern state--from a legal and constitutional perspective.

FC01	Ian Drake TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) KEY 0116

HIST280 **Reconstructing the Civilization of Ancient Mesopotamia**

HIST280 Reconstructing the Civilization of Ancient Mesopotamia; (3 credits) Grade Method: REG.
Also offered as JWST227. Not open to students who have completed HEBR440. Credit will be granted for only one of the following: HIST280 or JWST227. Formerly HEBR440. History and culture of Ancient Mesopotamia, as reconstructed from archaeology, language, and texts of the region. Emphasis on culture, literature, religion, and institutions.

0101	Mark Cohen TuTh 12:30pm - 1:45pm	Seats (Total: 60) TYD 2109

HIST282 **History of the Jewish People I**

HIST282 History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as JWST234. Credit will be granted for only one of the following: HIST282 or JWST234.* Political, economic, social and cultural development within Jewish history from the Biblical period to the late Middle Ages. Special attention to the emergence of Rabbinic Judaism and its subsequent encounter with medieval Christian and Islamic civilizations.

0101	Bernard Cooperman MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) EGR 1202 ARM 0103	 Discussion
0102	Bernard Cooperman MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 18) EGR 1202 BPS 1234	 Discussion
0103	Bernard Cooperman MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 20) EGR 1202 JMZ 1120	 Discussion
0104	Bernard Cooperman MW 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 20) EGR 1202 ARM 0121	 Discussion
0105	Bernard Cooperman MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 18) EGR 1202 EGR 1102	 Discussion
0106	Bernard Cooperman MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) EGR 1202 EGR 1102	 Discussion
0107	Bernard Cooperman MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) EGR 1202 JMZ 1124	 Discussion
0108	Bernard Cooperman MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) EGR 1202 KEY 0119	 Discussion

HIST282H **History of the Jewish People I**

HIST282H History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as JWST234. Credit will be granted for only one of the following: HIST282 or JWST234.*

0101	Bernard Cooperman MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 12) EGR 1202 TLF 2100	 Discussion

HIST284 **East Asian Civilization I**

HIST284 East Asian Civilization I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
An interdisciplinary survey of the development of East Asian cultures. An historical approach drawing on all facets of East Asian traditional life, to gain an appreciation of the different and complex cultures of the area.

0101	Charles Lilley TuTh 2:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 TLF 1101	 Discussion
0102	Charles Lilley TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TLF 2103	 Discussion
0103	Charles Lilley TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0123	 Discussion
0104	Charles Lilley TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0125	 Discussion

HIST286 **The Jew and the City through the Centuries**

HIST286 The Jew and the City through the Centuries; (3 credits) Grade Method: REG/P-F. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as JWST275. Credit will be granted for only one of the following: HIST286 or JWST275.* Jewish urban experience from ancient times to the present. Public space and private space. The city and the sacred. Jewish ghettos and quarters. The struggle over modern Jerusalem.

0101	Bernard Cooperman	Seats (Total: 40)
	MWF 12:00pm - 12:50pm	KEY 0103

HIST299 **Directed Research**

HIST299 Directed Research; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST310 **History of South Africa**

HIST310 History of South Africa; (3 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed HIST419E. Formerly HIST419E.* Explores the roots of Apartheid and nonracialism from precolonial times to the present: the social history of work and identity, the rise of kingdoms (Zulu, Sotho), conquest and colonial administration, urban and rural mass politics, gender relations, and the transition to democracy.

0101	Paul Landau	Seats (Total: 35)
	TuTh 9:30am - 10:45am	KEY 0125

HIST324 **Classical Greece**

HIST324 Classical Greece; (3 credits) Grade Method: REG/P-F/AUD. The ancient Greeks from Homer to Socrates, 800-400 B.C. Society and religion of the city-state, the art and literature of Periclean Athens, the Peloponnesian War, and the intellectual circle of Socrates.

0101	Kenneth Holum	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 1117

HIST326 **The Roman Republic**

HIST326 The Roman Republic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST110 or HIST111; or permission of instructor. Ancient Rome 753-44 B.C., from its founding to the assassination of Julius Caesar. Rome's conquest of the Mediterranean world, the social and political forces which brought it about, and the consequent transformation and decline of the republic.

SA23	Michael Ulrich	Seats (Total: 0)
	Contact instructor or department for details.	

HIST328D **Selected Topics in History; Vietnamese American Studies**

HIST328D Selected Topics in History: Vietnamese American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST398A.

0101	Thu Khuc	Seats (Total: 39)
	TuTh 2:00pm - 3:15pm	JMP 2202

HIST329D **Special Topics in History; Democracy & Dictatorship in Europe 1918-1945**
Contact department for information to register for this course.

HIST329G **Special Topics in History; Africans in 18th Century Britain**
Contact department for information to register for this course.

HIST329P **Special Topics in History; Caesar,Cicero, and the Collapse of the Roman Empire**
Contact department for information to register for this course.

HIST330 **Europe in the Making: The Early Medieval West (A.D. 300-1000)**

HIST330 Europe in the Making: The Early Medieval West (A.D. 300-1000); (3 credits) Grade Method: REG/P-F/AUD.
From one empire to another: Rome to Charlemagne. This period is approached as a crucible in which classical, Christian, and Germanic elements merged, yielding new experimental syntheses. This course will deal with issues of authority, cultural trends, and the formation of group solidarity.

0101	Janna Bianchini	Seats (Total: 40)
	M 3:30pm - 4:45pm	KEY 0103
	W 3:30pm - 4:45pm	KEY 1117

HIST332 **Renaissance Europe**

HIST332 Renaissance Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST111 or HIST112; or permission of instructor. Intellectual developments in Italy and Northern Europe from 1300 to 1550 and their influence on the arts and religion; social and economics trends, including the rise of the commercial economy in cities; the family and the role of women in society; expansion of Europe overseas and the beginnings of colonization; emergence of the state and consequent changes in political theory.

0101	Philip Soergel	Seats (Total: 40)
	MW 12:30pm - 1:45pm	KEY 1117

HIST352 **America in the Colonial Era, 1600-1763**

HIST352 America in the Colonial Era, 1600-1763; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST210, HIST213, or HIST254; or permission of instructor. The founding of the English colonies in America and their European backgrounds, the reasons for the instability of colonial society to 1689 and the emergence of stable societies after 1689; the development of colonial regionalism, political institutions, social divisions, the economy, religion, education, urban and frontier problems in the eighteenth century.

0101	Miles Bradbury	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 0103

HIST353 **America in the Revolutionary Era, 1763-1815**

HIST353 America in the Revolutionary Era, 1763-1815; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST210, HIST213, HIST254, or HIST275; or permission of instructor. The background and course of the American Revolution and early nationhood through the War of 1812. Emphasis on how the Revolution shaped American political and social development, the creation of a new government under the Constitution, and the challenges facing the new nation.

0101	Whitman Ridgway	Seats (Total: 40)
	MW 9:00am - 10:15am	KEY 0103

HIST354 **Ante-Bellum America 1815-1861**

Contact department for information to register for this course.

HIST357 **Recent America: 1945-Present**

HIST357 Recent America: 1945-Present; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST157, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor.* American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

0101	Edwin Smead	Seats (Total: 100)
	MW 2:00pm - 3:15pm	KEY 0102

HIST386 **Experiential Learning**

HIST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. The History Department's Internship program. Pre-professional experience in historical research, analysis and writing in a variety of work settings.

Contact department for information to register for this course.

HIST395 **Honors Colloquium I**

HIST395 *(PermReq)* **Honors Colloquium I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For HIST majors only. History and theory: the conceptual underpinnings of the historical discipline. Students evaluate several contrasting theories of history. Prerequisite for other honors courses.

0101	Arthur Eckstein	Seats (Total: 12)
	M 10:00am - 12:00pm	TLF 2100
	Contact instructor or department for details.	

HIST398 **Honors Thesis**

HIST398 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Arthur Eckstein M 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2101

HIST404 **History of Modern Biology**

HIST404 History of Modern Biology; (3 credits) Grade Method: REG/P-F/AUD. The internal development of biology in the 19th and 20th-centuries, including evolution, cell theory, heredity and development, spontaneous generation, and mechanism-vitalism controversies. The philosophical aspects of the development of scientific knowledge and the interaction of biology with chemistry and physics.

0101	Erika Milam TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0116

HIST406 **History of Technology**

HIST406 History of Technology; (3 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed HIST407 prior to Fall Semester, 1989.* The changing character of technology in modern history, beginning with the Middle Ages. Concentrates on the Industrial Revolution and its aftermath, the nature of technological knowledge and the sources of technological change.

0101	Robert Friedel MW 11:00am - 12:15pm	Seats (Total: 40) KEY 1117

HIST408B **Senior Seminar; Asia Pacific War & Occupation of Japan**

HIST408B *(PermReq)* **Senior Seminar: Asia Pacific War & Occupation of Japan; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. Prerequisite: permission of department.

0101	Marlene Mayo Tu 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0117

HIST408F **Senior Seminar; 20th Century African American History**

HIST408F *(PermReq)* **Senior Seminar: 20th Century African American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Alfred Moss	Seats (Total: 12)
	Th 1:00pm - 3:00pm	TLF 2108
	Contact instructor or department for details.	

HIST408I **Senior Seminar; Politics, Protests and Social Movements in 20th Century America**

HIST408I *(PermReq)* **Senior Seminar: Politics, Protests and Social Movements in 20th Century America; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Robyn Muncy	Seats (Total: 12)
	Tu 12:30pm - 2:30pm	TLF 2108
	Contact instructor or department for details.	

HIST408K **Senior Seminar; Early American History**

HIST408K *(PermReq)* **Senior Seminar: Early American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Miles Bradbury	Seats (Total: 12)
	Tu 2:00pm - 4:00pm	TLF 2100
	Contact instructor or department for details.	

HIST408L **Senior Seminar; Empire and Borderlands in Russia: A Eurasian Perspective**

HIST408L *(PermReq)* **Senior Seminar: Empire and Borderlands in Russia: A Eurasian Perspective; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Mikhail Dolbilov	Seats (Total: 12)
	Th 12:00pm - 2:00pm	TLF 2100
	Contact instructor or department for details.	

HIST408O **Senior Seminar; The Rabbinic Movement in Palestine and Babylonia, Origins and Development**

HIST408O *(PermReq)* **Senior Seminar: The Rabbinic Movement in Palestine and Babylonia, Origins and Development; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department. Also offered as JWST409O.

0101	Hayim Lapin	Seats (Total: 5)
	W 3:30pm - 5:30pm	TLF 2100
	Contact instructor or department for details.	

HIST408P **Senior Seminar; Writing the Cutlural History of the American 1930's**

HIST408P *(PermReq)* **Senior Seminar: Writing the Cutlural History of the American 1930's; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Saverio Giovacchini	Seats (Total: 12)
	M 1:00pm - 3:00pm	TLF 2103
	Contact instructor or department for details.	

HIST408W **Senior Seminar; The Rise and Fall of the Old South**

HIST408W *(PermReq)* **Senior Seminar: The Rise and Fall of the Old South; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Leslie Rowland	Seats (Total: 12)
	W 1:00pm - 3:00pm	KEY 0107
	Contact instructor or department for details.	

HIST408Z **Senior Seminar; Inventing the New World**

HIST408Z *(PermReq)* **Senior Seminar: Inventing the New World; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Alejandro Caneque	Seats (Total: 12)
	W 4:00pm - 6:00pm	KEY 0107
	Contact instructor or department for details.	

HIST418D **Jews and Judaism: Selected Historical Topics; Readings in Modern Hebrew: Hasidism and its Opponents**

HIST418D Jews and Judaism: Selected Historical Topics: Readings in Modern Hebrew: Hasidism and its Opponents; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: HEBR313 or permission of instructor. Also offered as JWST478M.

0101	Rachel Manekin	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	KEY 0117

HIST419F **Special Topics in History; Frida Kahlo and the Mexican Revolution**

HIST419F Special Topics in History: Frida Kahlo and the Mexican Revolution; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mary Vaughan	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0116

HIST419G **Special Topics in History; Iraq: From the Origins of the Modern State to the Current Crisis**

HIST419G Special Topics in History: Iraq: From the Origins of the Modern State to the Current Crisis; (3 credits) Grade Method: REG/P-F/AUD.

0101	Peter Wien	Seats (Total: 39)
	TuTh 11:00am - 12:15pm	KEY 0125

HIST419J **Special Topics in History; Strategic Military Theory: Clausewitz**

HIST419J Special Topics in History: Strategic Military Theory: Clausewitz; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jon Sumida	Seats (Total: 40)
	MW 11:00am - 12:15pm	KEY 0126

HIST419O **Special Topics in History; Afro-Diasporic Dialogues in the Americas**

HIST419O Special Topics in History: Afro-Diasporic Dialogues in the Americas; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Previous course in Latin American History and/or African American History; or permission of instructor.

0101	David Sartorius MW 1:00pm - 2:15pm	Seats (Total: 40) KEY 0126

HIST425 **Imperial Russia**

HIST425 Imperial Russia; (3 credits) Grade Method: REG/P-F/AUD.
The rise and fall of the Russian Empire, Peter the Great to the collapse of tsarism in revolution. Emphasis on the evolution of autocracy, social groups, national identities, and cultural change.

0101	Mikhail Dolbilov TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0103

HIST426 **Age of Industry: Britain 1760 to 1914**
Contact department for information to register for this course.

HIST428D **Selected Topics in History; Britain, Ireland and Democracy 1860-1922**
Contact department for information to register for this course.

HIST428E **Selected Topics in History; Witchcraft, Magic and Religion in England**
Contact department for information to register for this course.

HIST428F **Selected Topics in History; London in Peace & War c. 1900-1980**
Contact department for information to register for this course.

HIST428G **Selected Topics in History; Black Radicalism in the Twentieth Century**
Contact department for information to register for this course.

HIST428P **Selected Topics in History; Race and Society, the American South 1868-1968**
Contact department for information to register for this course.

HIST428Q **Selected Topics in History; History of Jewish Education**

HIST428Q Selected Topics in History: History of Jewish Education; (3 credits)
Grade Method: REG/P-F/AUD.
Also offered as EDPS488Q and JWST419Q.

0101	Eliyana Adler TuTh 9:30am - 10:45am	Seats (Total: 40) MMH 3418

HIST428X **Selected Topics in History; History of Israel: Politics, Society, Culture**

HIST428X Selected Topics in History: History of Israel: Politics, Society, Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419P.

0101	Yoram Peri MW 2:00pm - 3:15pm	Seats (Total: 35) HBK 1112

HIST429A **Special Topics in History; Society and Culture in Victorian Britain**

HIST429A Special Topics in History: Society and Culture in Victorian Britain; (3 credits) Grade Method: REG/P-F/AUD.

0101	Julie Taddeo MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0116

HIST429B **Special Topics in History; Cultural History of the Chinese Revolutions**

HIST429B Special Topics in History: Cultural History of the Chinese Revolutions; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Gao TuTh 9:30am - 10:45am	Seats (Total: 30) KEY 0123

HIST429D **Special Topics in History; Visions of America: European Americanism and Anti-Americanism in the 20th century**

HIST429D Special Topics in History: Visions of America: European Americanism and Anti-Americanism in the 20th century; (3 credits) Grade Method: REG/P-F/AUD.

0101	Saverio Giovacchini MW 11:00am - 12:15pm	Seats (Total: 40) KEY 0116

HIST429E **Special Topics in History; Women and Reform Movements in 20th Century US**

HIST429E Special Topics in History: Women and Reform Movements in 20th Century US; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robyn Muncy	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 1117

HIST429Q **Special Topics in History; Napoleon, France, and the World**

HIST429Q Special Topics in History: Napoleon, France, and the World; (3 credits) Grade Method: REG/P-F/AUD.

0101	Donald Sutherland	Seats (Total: 18)
	W 1:00pm - 3:30pm	KEY 0119

HIST429T **Special Topics in History; Tribalism and Ethnicity in Africa**

HIST429T Special Topics in History: Tribalism and Ethnicity in Africa; (3 credits) Grade Method: REG/P-F/AUD.

0101	Paul Landau	Seats (Total: 18)
	Tu 12:30pm - 3:00pm	KEY 0121

HIST429V **Special Topics in History; Immigration and Ethnicity in the United States**

HIST429V Special Topics in History: Immigration and Ethnicity in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498L.

0101	Lisa Mar	Seats (Total: 15)
	W 1:00pm - 3:30pm	TLF 2103

HIST429W **Special Topics in History; Communication in Early America**

HIST429W Special Topics in History: Communication in Early America; (3 credits) Grade Method: REG/P-F/AUD.

0101	Richard Bell	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TLF 2103

HIST429X **Special Topics in History; Jewish Religious Movements in Europe**

HIST429X Special Topics in History: Jewish Religious Movements in Europe; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST 419R.

0101	Rachel Manekin MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0103

HIST429Y **Special Topics in History; Islamic Memory: The Prophet Muhammad and the Founding Generations of Islam**

HIST429Y Special Topics in History: Islamic Memory: The Prophet Muhammad and the Founding Generations of Islam; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: previous course in Middle East Studies or permission of instructor.

0101	Antoine Borrut M 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 20) TLF 2103

HIST429Z **Special Topics in History; Race, Empire, and Revolution in Latin America**

HIST429Z Special Topics in History: Race, Empire, and Revolution in Latin America; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LASC448M.

0101	Marcela Echeverri W 3:00pm - 5:30pm	Seats (Total: 20) WDS 1114

HIST430 **Tudor England**

HIST430 Tudor England; (3 credits) Grade Method: REG/P-F/AUD.
An examination of the political, religious and social forces in English life, 1485-1603, with special emphasis on Tudor government, the English reformation and the Elizabethan era.

0101	Sabrina Baron TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 0103

HIST437 **Modern France from Napoleon to DeGaulle**

HIST437 Modern France from Napoleon to DeGaulle; (3 credits) Grade Method: REG/P-F/AUD.
The changing political and cultural values of French society in response to recurrent crises throughout the 19th and 20th centuries. Students should have had some previous survey of either Western civilization or European history.

0101	Donald Sutherland MW 9:00am - 10:15am	Seats (Total: 40) KEY 0116

HIST443 **Modern Balkan History**

HIST443 Modern Balkan History; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST113 or HIST240; or permission of instructor. A political, socioeconomic, and cultural history of Yugoslavia, Bulgaria, Romania, Greece, and Albania from the breakdown of Ottoman domination to the present. Emphasis is on movements for national liberation during the 19th-century and on approaches to modernization in the 20th-century.

0101	John Lampe TuTh 11:00am - 12:15pm	Seats (Total: 30) KEY 0123

HIST450 **Economic History of the United States to 1865**

HIST450 Economic History of the United States to 1865; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST210, HIST213, HIST222, HIST254, HIST265, HIST275, or ECON311; or permission of instructor. The development of the American economy from Columbus through the Civil War.

0101	David Sicilia TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 0103

HIST454 **Constitutional History of the United States: From Colonial Origins to 1860**

HIST454 Constitutional History of the United States: From Colonial Origins to 1860; (3 credits) Grade Method: REG/P-F/AUD.
The interaction of government, law, and politics in the constitutional system. The nature and purpose of constitutions and constitutionalism; the relationship between the constitution and social forces and influences, the way in which constitutional principles, rules, ideas, and institutions affect events and are in turn affected by events. The origins of American politics and constitutionalism through the constitutional convention of 1787. Major constitutional problems such as the origins of judicial review, democratization of government, slavery in the territories and political system as a whole.

0101	Michael Ross	Seats (Total: 40)
	MW 10:00am - 11:15am	TYD 1132

HIST457 **History of American Culture and Ideas Since 1865**

HIST457 History of American Culture and Ideas Since 1865; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST157, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor. A continuation of HIST456, from the Civil War to the present.

0101	James Gilbert	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 1117

HIST481 **A History of Modern China**

HIST481 A History of Modern China; (3 credits) Grade Method: REG/P-F/AUD.
Modern China from 1644 to the People's Republic of China. Emphasis on the coming of the West to China and the various stages of the Chinese reaction.

0101	James Gao	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	KEY 0123

HIST482 **History of Japan to 1800**

HIST482 History of Japan to 1800; (3 credits) Grade Method: REG/P-F/AUD. Traditional Japanese civilization from the age of Shinto mythology and introduction of continental learning down to the rule of military families, the transition to a money economy, and the creation of a townsmen's culture. A survey of political, economic, religious, and cultural history.

0101	Marlene Mayo	Seats (Total: 33)
	TuTh 2:00pm - 3:15pm	KEY 0116

HIST491 **History of the Ottoman Empire**

HIST491 History of the Ottoman Empire; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Survey of the Ottoman Turkish Empire from 1300 A.D. to its collapse during World War I. Emphasis on the empire's social and political institutions and its expansion into Europe, the Arab East and North Africa.

0101	Madeline Zilfi	Seats (Total: 30)
	TuTh 9:30am - 10:45am	KEY 0121

HIST492 **Women and Society in the Middle East**

HIST492 Women and Society in the Middle East; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: prior coursework in Middle East studies or gender studies. Also offered as WMST456. Credit will be granted for only one of the following: HIST492 or WMST456. Examines the customs, values and institutions that have shaped women's experience in the Middle East in the past and in the contemporary Middle East.

0101	Madeline Zilfi	Seats (Total: 15)
	Th 2:00pm - 4:00pm Contact instructor or department for details.	TLF 2103

HIST499 **Independent Study**

HIST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST600 **Historiography**

HIST600 Historiography; (3 credits) Grade Method: REG/AUD.
Historical writing and critical analysis of selected interpretations and generalizations made by leading historians with examples from both European and United States history.

0101	Philip Soergel W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2110

HIST601 **History and Contemporary Theory**

HIST601 History and Contemporary Theory; (3 credits) Grade Method: REG/AUD.
An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.

0101	James Gilbert Tu 3:30pm - 6:00pm	Seats (Total: 12) TLF 2110

HIST607 **The Teaching of History in Institutions of Higher Learning**

HIST607 *(PermReq)* **The Teaching of History in Institutions of Higher Learning; (1 credit)** Grade Method: S-F.

0101	David Sicilia Contact instructor or department for details.	Seats (Total: 15)
0201	Gay Gullickson Contact instructor or department for details.	Seats (Total: 6)

HIST608A **General Seminar; American History**

HIST608A *(PermReq)* **General Seminar: American History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Michael Ross W 6:30pm - 9:00pm	Seats (Total: 12) TLF 2108

HIST608C **General Seminar; European History**

HIST608C *(PermReq)* **General Seminar: European History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	John Lampe M 1:00pm - 3:30pm	Seats (Total: 12) TLF 2108

HIST608D **General Seminar; Middle East History**

HIST608D *(PermReq)* **General Seminar: Middle East History; (3 credits)** Grade Method: REG/AUD.

0101	Peter Wien Tu 3:30pm - 6:00pm	Seats (Total: 12) KEY 0107

HIST608G **General Seminar; Colonial Latin America**

HIST608G *(PermReq)* **General Seminar: Colonial Latin America; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	David Sartorius W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2108

HIST618M **Readings in the History of Women; History of Women**

HIST618M Readings in the History of Women: History of Women; (3 credits) Grade Method: REG/AUD.

0101	Gay Gullickson Tu 3:30pm - 6:00pm	Seats (Total: 12) KEY 2120

HIST619A **Special Topics in History; Independent Study**

HIST619A *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619B **Special Topics in History; Independent Study**

HIST619B *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619I **Special Topics in History; Proseminar in Ancient Mediterranean History**

HIST619I Special Topics in History: Proseminar in Ancient Mediterranean History; (3 credits) Grade Method: REG/AUD.

0101	Kenneth Holum Tu 7:00pm - 9:30pm	Seats (Total: 12) Location: TBA

HIST639L **Special Topics in History; History of Sexuality**

HIST639L *(PermReq)* **Special Topics in History: History of Sexuality; (3 credits)** Grade Method: REG/AUD.

0101	Clare Lyons W 9:00am - 11:00am	Seats (Total: 5) TLF 2101

HIST649 **Readings in Recent American History, 1941-Present**

HIST649 Readings in Recent American History, 1941-Present; (3 credits) Grade Method: REG/AUD.

0101	David Freund W 1:00pm - 3:30pm	Seats (Total: 12) TLF 2108

HIST668 **Readings in American Social History**

HIST668 Readings in American Social History; (3 credits) Grade Method: REG/AUD.

0101	Ira Berlin W 1:00pm - 3:30pm	Seats (Total: 12) TLF 2110

HIST678 **Readings in American Labor History**

HIST678 Readings in American Labor History; (3 credits) Grade Method: REG/AUD.
Also offered as AMST628K.

0101	Julie Greene	Seats (Total: 15)
	W 4:00pm - 6:30pm	HZF 1108

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

HIST708 Directed Independent Reading for Comprehensive Examinations I; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

HIST709 Directed Independent Reading for Comprehensive Examinations II; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST729 **Readings in Modern European History; Ideas & Politics in 20th Century Europe**

HIST729 Readings in Modern European History: Ideas & Politics in 20th Century Europe; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Herf	Seats (Total: 12)
	W 6:00pm - 8:30pm	TLF 2100

HIST798B **Readings in Jewish History; The Modernization of the Jews**

HIST798B Readings in Jewish History: The Modernization of the Jews; (3 credits) Grade Method: REG/AUD.
Also offered as JWST 648B.

0101	Marsha Rozenblit	Seats (Total: 12)
	Th 3:30pm - 6:00pm	KEY 2120

HIST799 **Master's Thesis Research**

HIST799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST810 **Museum Research Seminar**

HIST810 Museum Research Seminar; (3 credits) Grade Method: REG/AUD. *Prerequisite: HIST610. Also offered as AMST856. Credit will be granted for only one of the following: AMST638D, AMST856, HIST810 or HIST819D. Formerly HIST819D.* A research seminar focusing on the practice and presentation of cultural and historical scholarship in museums and historical sites. Students will complete an original research project on the challenges and opportunities of public exhibition and interpretation of cultural and historical research.

0101	Robert Friedel	Seats (Total: 5)
	W 4:00pm - 6:30pm	TLF 2101

HIST811 **Museum Scholarship Practicum**

HIST811 Museum Scholarship Practicum; (3-6 credits) Grade Method: REG. *Prerequisite: HIST810 and permission of Museum Scholarship Program. Credit will be granted for only one of the following: AMST857 or HIST811.* Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Mary Sies	Seats (Total: 2)
	Contact instructor or department for details.	

HIST819A **Special Topics in History: Independent Research**

HIST819A Special Topics in History: Independent Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST819B **Special Topics in History: Independent Research**

HIST819B Special Topics in History: Independent Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST819G **Special Topics in History: Independent Research; Early American History to 1860**

HIST819G Special Topics in History: Independent Research: Early American History to 1860; (3 credits) Grade Method: REG/AUD.

0101	Clare Lyons M 1:00pm - 3:30pm	Seats (Total: 12) TLF 2110

HIST829 **Seminar in Latin American History**

HIST829 Seminar in Latin American History; (3 credits) Grade Method: REG/AUD.

0101	Karin Rosemblatt Th 3:30pm - 6:00pm	Seats (Total: 12) TLF 2108

HIST869 **Seminar in Recent American History**

HIST869 Seminar in Recent American History; (3 credits) Grade Method: REG/AUD.

0101	David Sicilia Tu 6:00pm - 8:30pm	Seats (Total: 12) TLF 2110

HIST898 **Pre-Candidacy Research**

HIST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

HIST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA Health Services Administration Fall 2009

HLSA601 **Introduction to Health Systems**

HLSA601 Introduction to Health Systems; (3 credits) Grade Method: REG/AUD. *Formerly: HLTH688A or HLTH740. Not open to students who have completed HLTH688A or HLTH740. Credit will be granted for only one of the following: HLSA601, HLTH688A, or HLTH740.* Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

0101	Karoline Mortensen	Seats (Total: 25)
	Tu 4:00pm - 6:45pm	CSS 2416

HLSA688 **Independent Study**

HLSA688 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA689 **Field Work in Aging**

HLSA689 *(PermReq)* **Field Work in Aging; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA710 **Healthcare Mangement: Foundations and Principles**

HLSA710 Healthcare Mangement: Foundations and Principles; (3 credits) Grade Method: REG/AUD.
For HLSA majors only. Concepts and managerial activities essential to achieve the goals of health care organizations are examined and discussed. Managerial processes include planning, decision-making, etc. required to operate and change health care organizations will be discussed. Special emphasis will be placed on the leader/managers role in developing and maintaining an effective system for providing healthcare.

0101	Rada Dagher	Seats (Total: 20)
	Tu 1:00pm - 3:45pm	SPH 2367

HLSA720 **Health Law and Ethics**

HLSA720 Health Law and Ethics; (3 credits) Grade Method: REG/AUD.
The legal system helps determine the relationships prevailing among individuals, institutions and governments by setting out the rights, duties and powers of the various parties. This course will look at some of the more important concepts the law uses within the context of health services and public health.

0101	Mary Kivlighan	Seats (Total: 15)
	W 4:00pm - 6:45pm	SPH 0305

HLSA760 **Healthcare Financial Management**

HLSA760 Healthcare Financial Management; (3 credits) Grade Method: REG/AUD.
For HSLA majors only. Offers content in health services financial management with emphasis on applying traditional financial theories to health care and the health care system. Focus on decision-making using accounting and finance theories, principles, concepts and techniqes most important to health care leaders.

0101	Andrew Cohen	Seats (Total: 25)
	W 1:00pm - 3:45pm	SPH 0303

HLSA765 **Oral and Written Communication in Healthcare**

HLSA765 Oral and Written Communication in Healthcare; (3 credits) Grade Method: REG/AUD.
Acquaint students with a variety of types of professional writing required of health service professionals, including: grant proposals; journal articles; textbooks; presentation proposals and papers; and theses and dissertations.

0101	Lori Simon-Rusinowitz F 12:00pm - 2:45pm	Seats (Total: 25) SPH 0305

HLSA770 **Continuous Quality Improvement in Healthcare**

HLSA770 Continuous Quality Improvement in Healthcare; (3 credits) Grade Method: REG/AUD.
Designed for the health care professional or administrator involved in quality assurance in health care. Course includes historical beginnings, state-of-the-art, voluntary, governmental efforts, and tools to promote quality assurance.

0101	Robert Mekelburg M 7:00pm - 9:45pm	Seats (Total: 20) SPH 0303

HLSA780 **Qualitative Methods for Health Services Research**

HLSA780 Qualitative Methods for Health Services Research; (3 credits) Grade Method: REG/AUD.
Qualitative research is a multi-methods approach to the study of social interactions in natural settings. Through triangulation of methods, the researcher attempts to make sense of, or interpret, phenomema in terms of the meanings people bring to them.

0101	Lori Simon-Rusinowitz Th 1:00pm - 3:45pm	Seats (Total: 20) SPH 2367E

HLSA786 **Capstone Project in Public Health**

HLSA786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLSA799 **Master's Thesis Research**

HLSA799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA898 **Pre-Candidacy Research**

HLSA898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

HLSA899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH Health Fall 2009

HLTH106 **Drug Use and Abuse**

HLTH106 Drug Use and Abuse; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

0101	Kerry Green	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

HLTH130 **Introduction to Public and Community Health**

HLTH130 Introduction to Public and Community Health; (3 credits) Grade Method: REG/P-F/AUD.
Not open to non-majors with more than 60 credits. Not open to students who have completed HLTH105. Credit will be granted for only one of the following: HLTH105 or HLTH130. Formerly HLTH105. An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included.

0101	Donna Howard TuTh 11:00am - 12:15pm	Seats (Total: 40) SPH 1301
0201	Donna Howard TuTh 2:00pm - 3:15pm	Seats (Total: 40) SPH 1302
0301	Donna Howard TuTh 9:30am - 10:45am	Seats (Total: 40) SPH 0302
0401	Pamela Manning MWF 9:00am - 9:50am	Seats (Total: 40) SPH 0308
0501	Brian Gilchrist MWF 11:00am - 11:50am	Seats (Total: 40) SPH 0308

HLTH140 **Personal and Community Health**

HLTH140 Personal and Community Health; (3 credits) Grade Method: REG/AUD. Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

0101	Maria Ko TuTh 9:30am - 10:45am	Seats (Total: 200) SPH 1312
0201	Kimberly Heffernan TuTh 12:30pm - 1:45pm	Seats (Total: 150) MMH 1400

HLTH200 **Introduction to Research in Community Health**

HLTH200 *(PermReq)* **Introduction to Research in Community Health; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.

0101	Carolyn Voorhees MWF 10:00am - 10:50am	Seats (Total: 40) SPH 1303
0201	Bradley Boekeloo TuTh 12:30pm - 1:45pm	Seats (Total: 40) SPH 0302

HLTH230 **Introduction to Health Behavior**

HLTH230 Introduction to Health Behavior; (3 credits) Grade Method: REG/AUD.
CORE Behavioral and Social Science (SB) Course.
Pre- or corequisite: HLTH130. Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care.

0101	Cheryl Holt MW 8:00am - 9:15am	Seats (Total: 200) SPH 1312

HLTH285 **Controlling Stress and Tension**

HLTH285 Controlling Stress and Tension; (3 credits) Grade Method: REG/AUD.
CORE Interdisciplinary & Emerging Issues (IE) Course.
Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

0101	Stacey Daughters TuTh 2:00pm - 3:15pm	Seats (Total: 200) SPH 1312

HLTH289 **Topical Investigations**

HLTH289 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH371 **Communicating Safety and Health**

HLTH371 Communicating Safety and Health; (3 credits) Grade Method: REG/AUD.
The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.

0101	Maria Ko TuTh 12:30pm - 1:45pm	Seats (Total: 50) SPH 1302

HLTH377 **Human Sexuality**

HLTH377 Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

0101	Robin Sawyer TuTh 11:00am - 12:15pm	Seats (Total: 200) SPH 1312
0201	Nancy Atkinson MWF 10:00am - 10:50am	Seats (Total: 50) SPH 1302
0301	Nancy Atkinson MWF 11:00am - 11:50am	Seats (Total: 50) SPH 1302
SG91	Iris Allen W 10:30am - 1:20pm	Seats (Total: 40) SGII 3022
	Registration is restricted to Shady Grove Biological Science students.	

HLTH380 **Peer Education: Alcohol and Other Drugs**
Contact department for information to register for this course.

HLTH381 **Peer Education: Stress Management**
Contact department for information to register for this course.

HLTH382 **Peer Education: Sexuality and Communication**
Contact department for information to register for this course.

HLTH383 **Peer Education: Reproductive Health**
Contact department for information to register for this course.

HLTH386 **Experiential Learning**

HLTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HLTH389 **Topical Investigations**

HLTH389 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH391 **Principles of Community Health I**

HLTH391 *(PermReq)* **Principles of Community Health I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: HLTH140 and HLTH230. For HLTH majors only. Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

0101	Sharon Desmond TuTh 2:00pm - 3:15pm	Seats (Total: 35) SPH 0302
0201	Sharon Desmond TuTh 12:30pm - 1:45pm	Seats (Total: 35) SPH 0307

0301	Darlene Saunders Th 4:00pm - 6:45pm	Seats (Total: 35) SPH 1303

HLTH420 **Methods and Materials in Health Education**

HLTH420 *(PermReq)* **Methods and Materials in Health Education; (3 credits)** Grade Method: REG/AUD.
Prerequisites: HLTH105 or HLTH140. The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as with planning for and presenting demonstration lessons.

0101	Robin Sawyer TuTh 9:30am - 10:45am	Seats (Total: 22) SPH 1302
0201	Katherine Sharp TuTh 11:00am - 12:15pm	Seats (Total: 22) SPH 1302
0301	Katherine Sharp M 4:00pm - 6:45pm	Seats (Total: 22) SPH 0308
0401	Robin Sawyer TuTh 8:00am - 9:15am	Seats (Total: 22) SPH 1302

HLTH430 **Health Education in the Workplace**

HLTH430 Health Education in the Workplace; (3 credits) Grade Method: REG/P-F/AUD.
A survey of the role of health education in work settings. Examination of occupational stress, the health effects of shift work, women's health in the workplace, health education approaches to informing workers and management, and health promotion programs in the workplace.

0101	Robert Feldman Th 4:00pm - 6:45pm	Seats (Total: 30) SPH 0303

HLTH471 **Women's Health**

HLTH471 Women's Health; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Also offered as WMST471. Credit will be granted for only one of the following: HLT471 or WMST471. The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations. Recommended for junior and senior women.

0101	Anne Anderson-Sawyer	Seats (Total: 200)
	MW 3:00pm - 4:15pm	SPH 1312

HLTH476 **Death Education**

HLTH476 Death Education; (3 credits) Grade Method: REG/P-F/AUD.
Examination of the genesis and development of present day death attitudes and behavior by use of a multidisciplinary life cycle approach.

0101	Pamela Manning	Seats (Total: 40)
	TuTh 8:00am - 9:15am	SPH 1301

HLTH489 **Field Laboratory Projects and Workshop**

HLTH489 *(PermReq)* **Field Laboratory Projects and Workshop; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH490 **Principles of Community Health II**

HLTH490 *(PermReq)* **Principles of Community Health II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH391. Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.

0101	Nancy Smith	Seats (Total: 30)
	MW 11:00am - 12:15pm	SPH 1301

0201	Nancy Smith MW 12:30pm - 1:45pm	Seats (Total: 30) SPH 1301
0301	Nancy Smith TuTh 11:00am - 12:15pm	Seats (Total: 30) SPH 0303

HLTH491 **Community Health Internship**

HLTH491 *(PermReq)* **Community Health Internship; (12 credits)** Grade Method: S-F.
For community health majors only. Prerequisite: HLTH490. Integrating theory with practice in a community health setting.

0101	Anne Anderson-Sawyer W 1:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 50) SPH 1302

HLTH498A **Special Topics in Health; Massage Therapy & Stress**

HLTH498A Special Topics in Health: Massage Therapy & Stress; (3 credits) Grade Method: REG/P-F/AUD.

0101	Geoffrey Gilbert M 3:00pm - 5:45pm	Seats (Total: 30) SPH 0107

HLTH498P **Special Topics in Health; Pregnancy Counseling**
Contact department for information to register for this course.

HLTH606 **Foundations of Public Health Education and Policy**

HLTH606 Foundations of Public Health Education and Policy; (3 credits) Grade Method: REG.
For CHED and PCHL majors only. Not open to students who have completed HLTH 605 and HLTH 688E. Examines foundations and content of two professions, health education and public health, including history, mission, terminology, philosophy, ethical principles and scientific foundations. Emerging and reemerging threats to the public's health will be discussed, as well as societal influences on health and health policy. Also addresses professional competencies and preparation, and the role of professional organizations.

0101	Sharon Desmond Tu 4:00pm - 6:45pm	Seats (Total: 25) SPH 0307

HLTH652 **Quantitative Research Methods I in Public health**

HLTH652 Quantitative Research Methods I in Public health; (3 credits) Grade Method: REG.
Prerequisite: HLTH 651, HLTH 688B or equivalent. For CHED and PCHL majors only. Not open to students who have completed HLTH 688R. Credit will be granted for only one of the following: HLTH 652 or HLTH 688R. Formerly HLTH688R. Intermediate statistics and procedures in public health-related research for doctoral students. Focuses on applied statistics rather than theoretical, with emphasis on 1) how to apply statistical models, 2) how to perform the analysis with avialable software, and 3) how to interpret findings.

0101	Min Wang Tu 7:00pm - 9:45pm	Seats (Total: 10) SPH 0305

HLTH665 **Health Behavior I**

HLTH665 *(PermReq)* **Health Behavior I; (3 credits)** Grade Method: REG/AUD.
The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors.

0101	Robert Feldman W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0307

HLTH688 **Special Problems in Health Education**

HLTH688 *(PermReq)* **Special Problems in Health Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH688G **Special Problems in Health Education; Geographic Information Systems in Public Health**

HLTH688G Special Problems in Health Education: Geographic Information Systems in Public Health; (3 credits) Grade Method: REG/AUD.

PL01	Chiehwen Hsu **Meets August 31, 2009 - November 20, 2009** Class time/details on ELMs	Seats (Total: 20) ONLINE

HLTH688V **Special Problems in Health Education; Public Health Information Systems**

HLTH688V Special Problems in Health Education: Public Health Information Systems; (3 credits) Grade Method: REG/AUD.

PL01	Chiehwen Hsu **Meets August 31, 2009 - November 20, 2009** Class time/details on ELMs	Seats (Total: 20) ONLINE

HLTH710 **Methods and Techniques of Research**

HLTH710 Methods and Techniques of Research; (3 credits) Grade Method: REG/AUD.
For Health majors only.

0101	Kenneth Beck M 4:00pm - 6:45pm	Seats (Total: 25) SPH 0307

HLTH775 **Health Education Program Planning and Evaluation**

HLTH775 Health Education Program Planning and Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisites: HLTH 710 and permission of department. A systematic approach to the planning and evaluation of Health Education programs. Diagnosis of the social, psychological, educational and administrative aspects of the health education program. Program monitoring, rigorous methods of impact assessment, and the measurement of efficiency.

0101	Jessica Rath Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305

HLTH781 **Advanced Theory and Applications in Health**

HLTH781 *(PermReq)* **Advanced Theory and Applications in Health; (1 credit)** Grade Method: S-F.
Prerequisite: HLTH665, HLTH710, and permission of department. Credit will be granted for only one of the following: HLTH781, HLTH782, and HLTH783; or HLTH688D. Formerly HLTH688D. Seminar course to examine theory-based public health research through small group discussion between faculty and students.

0101	Bradley Boekeloo	Seats (Total: 5)
	W 4:00pm - 4:50pm	SPH 0303

HLTH782 **Advanced Research Methods in Health**

HLTH782 *(PermReq)* **Advanced Research Methods in Health; (1 credit)** Grade Method: S-F.
Prerequisite: HLTH781 and permission of department. Credit will be granted for only one of the following: HLTH781, HLTH782, and HLTH783; or HLTH688D. Formerly HLTH688D. Seminar course to examine theory-based public health research through small group discussion between faculty and students.

0101	Bradley Boekeloo	Seats (Total: 5)
	W 4:00pm - 4:50pm	SPH 0303

HLTH783 **Individual Research Plan in Health**

HLTH783 *(PermReq)* **Individual Research Plan in Health; (1 credit)** Grade Method: S-F.
Prerequisite: HLTH782 and permission of department. Credit will be granted for only one of the following: HLTH781, HLTH782, and HLTH783; or HLTH688D. Formerly HLTH688D. Seminar course to examine theory-based public health research through small group discussion between faculty and students.

0101	Bradley Boekeloo	Seats (Total: 5)
	W 4:00pm - 4:50pm	SPH 0303

HLTH785 **Internship in Public Health**

HLTH785 Internship in Public Health; (3 credits) Grade Method: REG/AUD. *Prerequisites: {HLTH 665; and HLTH 775; and HLTH 780}; or permission of department.* Internship and seminar providing an opportunity to apply previously aquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Anne Anderson-Sawyer	Seats (Total: 15)
	W 6:00pm - 8:30pm	SPH 0303

HLTH786 **Capstone Project in Public Health**

HLTH786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: All required course work and permission of department. For HLTH majors only. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

HLTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

HLTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

HLTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HONR Honors Fall 2009

HONR100 **Honors Colloquium**

HONR100 Honors Colloquium; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: permission of University Honors Program.* Attendance at various additional activities and events is required. Reading and discussion on the personal and social value of higher education; development of a coherent general education program; exploration of the educational and cultural resources of the campus and metropolitan area; participation in a community service project; and other activities designed to broaden students' conception of what it means to be an educated person.

0101	Cathy Barks M 4:00pm - 4:50pm	Seats (Total: 220) KEY 0106
0201	Katherine Russell Tu 3:30pm - 4:20pm	Seats (Total: 220) KEY 0106
0301	William Dorland W 4:00pm - 4:50pm	Seats (Total: 190) ASY 2203

HONR208E **Honors Seminar: J.R.R. Tolkien: Author of the Century**

HONR208E Honors Seminar: J.R.R. Tolkien: Author of the Century; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Verlyn Flieger MW 12:30pm - 1:45pm	Seats (Total: 20) TWS 0236

HONR208J **From Glass Boxes to Bunkers: Architecture, Power, and Public Policy**

HONR208J From Glass Boxes to Bunkers: Architecture, Power, and Public Policy; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Jane Loeffler W 1:00pm - 3:30pm	Seats (Total: 20) ANA 0120

HONR209E **Attending the Blockbuster: Understanding the Cultural Impact of Temporary Exhibitions**

HONR209E Attending the Blockbuster: Understanding the Cultural Impact of Temporary Exhibitions; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Henry Gregory	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMP 2202

HONR209J **Why is Good Government so Difficult?**

HONR209J Why is Good Government so Difficult?; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Joe Oppenheimer	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	KEY 0126

HONR209O **The Science of Sleep and Biological Rhythms**

HONR209O The Science of Sleep and Biological Rhythms; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	David Yager	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1184

HONR209T **Cities and the World: Globalization and Urban Development**

HONR209T Cities and the World: Globalization and Urban Development; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Mila Zlatic	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	LEF 1171

HONR217 **Life, The Multiverse and Everything: Developing an Individual Cosmovision**

HONR217 Life, The Multiverse and Everything: Developing an Individual Cosmovision; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
In this Honors seminar, students pursue personal cosmologies in light of our contemporary core "Western" scientific world-view and a selection of other ancient and indigenous cosmographies for comparison including those of Mesoamerica, the Inca, the Egyptians or the Chinese.

0101	John Carlson Tu 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120
0201	John Carlson W 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120

HONR218C **Honors Seminar: Western Intellectual Heritage: The Hero and Society**

HONR218C Honors Seminar: Western Intellectual Heritage: The Hero and Society; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Peter Losin Th 6:00pm - 8:30pm	Seats (Total: 20) ANA 0120

HONR218L **Honors Seminar: Language and Mind**

HONR218L Honors Seminar: Language and Mind; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Valentine Hacquard TuTh 9:30am - 10:45am	Seats (Total: 20) ANA 0120

HONR218N **Current Issues in Biology**

HONR218N Current Issues in Biology; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	John O'Connor MW 2:00pm - 3:15pm	Seats (Total: 20) BPS 1238

HONR228B **Planning for Cities**

HONR228B Planning for Cities; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Alexander Chen Tu 1:00pm - 3:30pm	Seats (Total: 20) ANA 0120

HONR228K **Great Ideas in Physics and Their Implications in Other Disciplines**

HONR228K Great Ideas in Physics and Their Implications in Other Disciplines; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Theodore Einstein MW 2:00pm - 3:15pm	Seats (Total: 20) PHY 1304

HONR228P **Honors Seminar: Issues, Challenges, and Opportunities in a Globalized World**

HONR228P Honors Seminar: Issues, Challenges, and Opportunities in a Globalized World; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Susan Schwab Th 2:00pm - 4:30pm	Seats (Total: 20) TWS 0207

HONR228T **Journalism and Peace**

HONR228T Journalism and Peace; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Colman McCarthy M 6:00pm - 8:30pm	Seats (Total: 20) ANA 0120

HONR228Y **The Role of Gender in Family Life**

HONR228Y The Role of Gender in Family Life; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Leigh Leslie TuTh 12:30pm - 1:45pm	Seats (Total: 20) MMH 1402

HONR229E **Nutrition and Health from a Chemist's Point of View**

HONR229E Nutrition and Health from a Chemist's Point of View; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Frederick Khachik	Seats (Total: 20)
	M 3:00pm - 5:30pm	CHM 2201

HONR229M **Evaluating Health Risks from Environmental Toxicants**

HONR229M Evaluating Health Risks from Environmental Toxicants; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Amy Brown	Seats (Total: 20)
	W 2:00pm - 4:30pm	PLS 1158

HONR229N **The Transformation Age**

HONR229N The Transformation Age; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Henry Lucas	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	VMH 3330H

HONR229P **Mathematics and Art**

HONR229P Mathematics and Art; (3 credits) Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course.

0101	Niranjan Ramachandran	Seats (Total: 20)
	MWF 11:00am - 11:50am	MTH 1311

HONR229Q **Making Decisions in an Uncertain World**

HONR229Q Making Decisions in an Uncertain World; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Michael Fu	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	VMH 3330H

HONR229T **Race, The Civil Rights Movement and the Press**

HONR229T Race, The Civil Rights Movement and the Press; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Haynes Johnson M 2:00pm - 4:30pm	Seats (Total: 20) TYD 1114

HONR229V **Honors Seminar: Energy Sources for the Future: Separating Science from Pseudoscience**

HONR229V Honors Seminar: Energy Sources for the Future: Separating Science from Pseudoscience; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Carlos Romero Talamas TuTh 11:00am - 12:15pm	Seats (Total: 20) CSS 0201

HONR229W **Journalism Ethics**

HONR229W Journalism Ethics; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Christopher Hanson Tu 4:00pm - 6:30pm	Seats (Total: 20) ANA 0120

HONR229Y **Ecological Ethics and Education**

HONR229Y Ecological Ethics and Education; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Jing Lin Tu 2:00pm - 4:30pm	Seats (Total: 20) QAN 0103

HONR238D **Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond**

HONR238D Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Korey Rothman MW 12:00pm - 1:15pm	Seats (Total: 20) ASY 3217
0201	Korey Rothman MW 10:00am - 11:15am	Seats (Total: 20) ANA 0120

HONR238F **Honors Seminar: From Animal Thoughts to Animal Feelings: Cognitive and Applied Ethology's Understanding of Animals**

HONR238F Honors Seminar: From Animal Thoughts to Animal Feelings: Cognitive and Applied Ethology's Understanding of Animals; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Kim Drnec, William Stricklin TuTh 3:30pm - 4:45pm	Seats (Total: 20) SYM 0215

HONR238L **Honors Seminar: Engineering in Ancient Empires**

HONR238L Honors Seminar: Engineering in Ancient Empires; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Denis Sullivan TuTh 3:30pm - 4:45pm	Seats (Total: 20) JMZ 3203

HONR238R **Honors Seminar: Terrorism**

HONR238R Honors Seminar: Terrorism; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Edwin Smead M 3:30pm - 6:05pm	Seats (Total: 21) PLS 1184
0201	Edwin Smead Tu 3:30pm - 6:05pm	Seats (Total: 20) TWS 0205

HONR238T **Honors Seminar: The Body and Literature**

HONR238T Honors Seminar: The Body and Literature; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan TuTh 11:00am - 12:15pm	Seats (Total: 20) QAN 0108

HONR238X **Honors Seminar: The Holocaust and History**

HONR238X Honors Seminar: The Holocaust and History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.

0101	Eliyana Adler TuTh 11:00am - 12:15pm	Seats (Total: 20) HZF 0142

HONR238Y **Honors Seminar: The Development of the Author in Literary History and Creative Writing**

HONR238Y Honors Seminar: The Development of the Author in Literary History and Creative Writing; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan TuTh 2:00pm - 3:15pm	Seats (Total: 20) ANA 0100

HONR239B **Honors Seminar: New York City and the American Dream**

HONR239B Honors Seminar: New York City and the American Dream; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Ingrid Satelmajer TuTh 11:00am - 12:15pm	Seats (Total: 20) ANA 0100

HONR239C **Honors Seminar: The Creative Process in Dance**

HONR239C Honors Seminar: The Creative Process in Dance; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Anne Warren TuTh 11:00am - 12:15pm	Seats (Total: 20) ANA 0120

HONR239F **Honors Seminar: Plants and Empires: Historical Consequences and Contemporary Issues**

HONR239F Honors Seminar: Plants and Empires: Historical Consequences and Contemporary Issues; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Todd Cooke	Seats (Total: 20)
	TuTh 9:30am - 10:45am	HJP 1216

HONR239M **Honors Seminar: Renaissance to Enlightenment: People, Places, and Philosophies**

HONR239M Honors Seminar: Renaissance to Enlightenment: People, Places, and Philosophies; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Sabrina Baron	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	TYD 2110

HONR239P **Higher, Faster, Farther: Case Studies from Aerospace History**

HONR239P Higher, Faster, Farther: Case Studies from Aerospace History; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. Course will meet in HBK Library Nonprint Media Services.

0101	Jeremy Kinney	Seats (Total: 20)
	W 5:00pm - 7:30pm	HBK 0302H

HONR239Q **True Confessions: Literature, Film, Television**

HONR239Q True Confessions: Literature, Film, Television; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Regina Harrison	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1115

HONR248H **Honors Seminar: From Willowbrook to Attica: Delinquency in the Context of Disability**

HONR248H Honors Seminar: From Willowbrook to Attica: Delinquency in the Context of Disability; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Peter Leone M 2:00pm - 4:30pm	Seats (Total: 20) QAN 0108

HONR248O **Honors Seminar: The Military and the Media in American History**

HONR248O Honors Seminar: The Military and the Media in American History; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	William Hammond W 5:00pm - 7:30pm	Seats (Total: 20) PLS 1119

HONR248T **Honors Seminar: Re-examining the Harlem Renaissance**

HONR248T Honors Seminar: Re-examining the Harlem Renaissance; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Renee Ater Th 2:00pm - 4:30pm	Seats (Total: 20) ASY 3217

HONR248W **Honors Seminar: America in the 1960's**

HONR248W Honors Seminar: America in the 1960's; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	John Newman M 12:00pm - 2:30pm	Seats (Total: 20) ANA 0120

HONR249L **The Historical Development of London**
Contact department for information to register for this course.

HONR249R **Honors Seminar: Music and Gender Identity**

HONR249R Honors Seminar: Music and Gender Identity; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Boden Sandstrom M 3:30pm - 6:00pm	Seats (Total: 20) PAC 3164

HONR249W **Honors Seminar: The Spiritual Heritage of the Human Race**

HONR249W Honors Seminar: The Spiritual Heritage of the Human Race; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Suheil Bushrui	Seats (Total: 20)
	W 1:30pm - 4:00pm	TLF 0101

HONR258O **Honors Seminar; The Kinesiological Bases of of Skilled Perfomance**

HONR258O Honors Seminar: The Kinesiological Bases of of Skilled Perfomance; (3 credits) Grade Method: REG.
There will be a $45 charge for equipment needed for the course.

0101	Seppo Iso-Ahola	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	SPH 0303

HONR258T **Honors Seminar: Tools of Fiction: Literature and/as Creative Writing**

HONR258T Honors Seminar: Tools of Fiction: Literature and/as Creative Writing; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Dean Hebert	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	ANA 0100

HONR258W **Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, Bisexual, and Transgender Issues**

HONR258W Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, and Bisexual Issues; (3 credits) Grade Method: REG. CORE Diversity (D) Course.

0101	Robyn Zeiger	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1111

HONR258Z **Language, Identity and Diversity in the U.S.**

HONR258Z Language, Identity and Diversity in the U.S.; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Alene Moyer	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 3205

HONR259A **Re-Imagining Science: The History of Science through Science Fiction**

HONR259A Re-Imagining Science: The History of Science through Science Fiction; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Erika Milam	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	QAN 0108

HONR259B **Honors Seminar: Popular French Literature: Detective, Science, and Gothic Fiction**

HONR259B Honors Seminar: Popular French Literature: Detective, Science, and Gothic Fiction; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Pierre Verdaguer	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TWS 3132

HONR259E **Logic, God, Mind and Morality**

HONR259E Logic, God, Mind and Morality; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Georges Rey	Seats (Total: 20)
	W 12:00pm - 3:00pm	SKN 1116

HONR259F **Honors Seminar: Black Masculinities**

HONR259F Honors Seminar: Black Masculinities; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Jeffrey McCune Jr.	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CHE 2136

HONR259I **Honors Seminar: Liberating Language: Women's Antislavery Rhetoric**

HONR259I Honors Seminar: Liberating Language: Women's Antislavery Rhetoric; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.

0101	Shirley Logan	Seats (Total: 20)
	MW 11:00am - 12:15pm	TWS 3132

HONR259L **Thinking Strategically**

HONR259L Thinking Strategically; (3 credits) Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course.

0101	Daniel Vincent	Seats (Total: 20)
	Th 11:00am - 1:30pm	QAN 0103

HONR259M **Honors Seminar: Metropolis: The Cinematic City**

HONR259M Honors Seminar: Metropolis: The Cinematic City; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Thomas Zaniello	Seats (Total: 20)
	W 2:00pm - 5:00pm	TYD 1102

HONR259N **Honors Seminar: New Orleans: Colonial to Katrina**

HONR259N New Orleans: Colonial to Katrina; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. Students cannot earn credit for both HONR259N and HIST329I "Cultural History of New Orleans."

0101	Emily Landau	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TLF 1101

HONR259O **Gender, Culture, Media**

HONR259O Gender, Culture, Media; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Brecken Swartz	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	SKN 1115

HONR268J **Honors Seminar: Religion and Progress: Islamic Science, Politics, and Economics**

HONR268J Honors Seminar: Religion and Progress: Islamic Science, Politics, and Economics; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Imad Ahmad	Seats (Total: 20)
	Tu 6:00pm - 8:30pm	QAN 0108

HONR268K **Honors Seminar: Beyond the Hype of Medical Miracles: Stem Cells, Gene Therapy, and Other Cutting-edge Medical Research**

HONR268K Honors Seminar: Beyond the Hype of Medical Miracles: Stem Cells, Gene Therapy, and Other Cutting-edge Medical Research; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Kenneth Frauwirth	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	PLS 1113

HONR268T **Honors Seminar: The Great Gatsby and American Culture: from the Jazz Age to Bill Gates and the Information Age**

HONR268T Honors Seminar: The Great Gatsby and American Culture: from the Jazz Age to Bill Gates and the Information Age; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Cathy Barks	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	QAN 0108

HONR268Y **Honors Seminar: Japan's Silk Road Music: Treasured, Transformed, and Transcendent**

HONR268Y Honors Seminar: Japan's Silk Road Music: Treasured, Transformed, and Transcendent; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Miyuki Yoshikami	Seats (Total: 20)
	W 6:30pm - 9:00pm	ANA 0100

HONR269D **Honors Seminar: Health Policy: Important Things They Don't Teach You in Medical School**

HONR269D Honors Seminar: Health Policy: Important Things They Don't Teach You in Medical School; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Paul Jung	Seats (Total: 20)
	W 6:30pm - 9:00pm	WDS 1131

HONR269X **Honors Seminar: Faith in Science: Intersections between Science and Religion**

HONR269X Honors Seminar: Faith in Science: Intersections between Science and Religion; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Rajarshi Roy	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PLS 1176

HONR278Y **Poems That Matter: How Reading and Writing Them Can Transform Lives**

HONR278Y Poems That Matter: How Reading and Writing Them Can Transform Lives; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Kathleen Staudt	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	EGR 1110

HONR279C **Honors Seminar: African American Art Theory: Exploration and Expressions of Identity**

HONR279C Honors Seminar: African American Art Theory: Exploration and Expressions of Identity; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Jeffrey Pinder	Seats (Total: 20)
	MW 10:00am - 11:30am	QAN 0108

HONR279O **Honors Seminar: Counterterrorism**

HONR279O Honors Seminar: Counterterrorism; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	John Newman M 3:30pm - 6:00pm	Seats (Total: 20) ANA 0120

HONR279P **Honors Seminar; Understanding and Coping with Stress**

HONR279P Honors Seminar: Understanding and Coping with Stress; (3 credits) Grade Method: REG.

0101	David Hyde TuTh 11:00am - 12:15pm	Seats (Total: 20) SPH 0307

HONR279Z **Honors Seminar: Globalization**

HONR279Z Honors Seminar: Globalization; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	George Ritzer M 2:00pm - 4:45pm	Seats (Total: 20) QAN 0103

HONR288L **Medical Devices: Applied Ethics and Public Policy**

HONR288L Medical Devices: Applied Ethics and Public Policy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Glenn Rahmoeller M 2:00pm - 4:35pm	Seats (Total: 20) PLS 1164

HONR289A **The Ecology and Evolutionary Biology of Infectious Disease**

HONR289A The Ecology and Evolutionary Biology of Infectious Disease; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Benjamin Rosenthal Tu 3:30pm - 6:00pm	Seats (Total: 20) QAN 0108

HONR289C **Honors Seminar: History of Evolutionary Thought**

HONR289C Honors Seminar: History of Evolutionary Thought; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Michele Dudash MW 10:00am - 11:15am	Seats (Total: 20) BPS 2249

HONR289T **Rule of Law: The Bedrock of Democracy**

HONR289T Rule of Law: The Bedrock of Democracy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	David Falk TuTh 9:30am - 10:45am	Seats (Total: 20) QAN 0108

HONR289Y **Novels and Who We Are**

HONR289Y Novels and Who We Are; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan TuTh 12:30pm - 1:45pm	Seats (Total: 20) ANA 0100

HONR348J **Advanced Honors Seminar; Contemporary Social Issues**

HONR348J Advanced Honors Seminar: Contemporary Social Issues; (3 credits) Grade Method: REG.

0101	Edwin Smead W 3:30pm - 6:00pm	Seats (Total: 20) ANA 0120

HONR358A **Honors Practicum**
Contact department for information to register for this course.

HONR358B **Honors Practicum**
Contact department for information to register for this course.

HONR358C **Honors Practicum**
Contact department for information to register for this course.

HONR359B **Honors Workshop; Alternatives to Violence**

HONR359B Honors Workshop: Alternatives to Violence; (3 credits) Grade Method: S-F.

0101	Colman McCarthy	Seats (Total: 20)
	M 3:00pm - 5:40pm	JRN 1104

HONR379 **Honors Independent Study**
Contact department for information to register for this course.

HONR379A **Honors Independent Study**
Contact department for information to register for this course.

INAG Institute of Applied Agriculture Fall 2009

INAG100 **Introduction to Plant Science**
Contact department for information to register for this course.

INAG102 **Business Operations**
Contact department for information to register for this course.

INAG103 **Agricultural Marketing**

INAG103 Agricultural Marketing; (3 credits) Grade Method: REG/AUD.
Formerly AGECI-7.

0101	Theodore Streett	Seats (Total: 20)
	TuTh 12:00pm - 1:15pm	JUL 1105

INAG106 **Pesticide Use and Safety**
Contact department for information to register for this course.

INAG107 **Turfgrass Management**
Contact department for information to register for this course.

INAG111 **Written Communication**
Contact department for information to register for this course.

INAG120 **Equine Health Management**

	Contact department for information to register for this course.
INAG129	**Special Problems in Agricultural Economics** **Contact department for information to register for this course.**
INAG139	**Special Problems in Agricultural Engineering** **Contact department for information to register for this course.**
INAG149	**Special Problems in Agronomy** **Contact department for information to register for this course.**
INAG159	**Special Problems in Animal Science** **Contact department for information to register for this course.**
INAG169	**Special Problems in Communication** **Contact department for information to register for this course.**
INAG201	**Personnel Management** **Contact department for information to register for this course.**
INAG203	**Introduction to Finance** **Contact department for information to register for this course.**
INAG222	**Landscape Design and Implementation** **Contact department for information to register for this course.**
INAG226	**Diseases of Ornamentals** **Contact department for information to register for this course.**
INAG231	**Insects of Ornamentals/Turfgrass** **Contact department for information to register for this course.**
INAG237	**Surveying and Applications in Agriculture** **Contact department for information to register for this course.**
INAG240	**Professional Development** **Contact department for information to register for this course.**

INAG299A **Supervised Work Experience; Internship I**
Contact department for information to register for this course.

INAG299B **Supervised Work Experience; Internship II**
Contact department for information to register for this course.

INFM Information Management Fall 2009

INFM600 **Information Environments**

INFM600 Information Environments; (3 credits) Grade Method: REG/AUD.
Role and function of information in organizations. Organizational environment and its influence on internal and external communication, organizational structure and management, organizational culture, information flow, organizational identity. Shared mental models and group decision ma king. Differences among types of organizations. Information policy.

0101	Raymond Paquette W 6:00pm - 8:45pm	Seats (Total: 33) HBK 2119
0201	Bo Xie Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119

INFM603 **Information Technology and Organizational Context**

INFM603 Information Technology and Organizational Context; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed LBSC 690. Application of communication and information technologies to support work processes, including technology-enhanced communication networks, computer-supported collaborative work, decision-support systems, interactive systems, and systems analysis. Acquisition of information systems and their integration into the organization.

0101	Beverly Brown M 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119

INFM605 **Users and Use Context**

INFM605 Users and Use Context; (3 credits) Grade Method: REG/AUD.
Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.

0101	Kenneth Fleischmann Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119
0201	Stephen Hannestad W 6:00pm - 8:45pm	Seats (Total: 30) HBK 0115

INFM612 **Management of Information Programs and Services**

INFM612 Management of Information Programs and Services; (3 credits) Grade Method: REG/AUD.
Administration of information programs, services, and projects, including the role of leadership in management; developing mission, vision, and goals; providing effective management for results; managing professionals; financial management; and professional conduct and ethical issues.

0101	Ping Wang Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0109

INFM620 **Introduction to Strategic Information Management**

INFM620 Introduction to Strategic Information Management; (3 credits) Grade Method: REG/AUD.
Defining and identifying strategic information in an organization. Characteristics of strategic information management, including the principles, practices, issues, and programs involved with the strategic management and protection of information in organizations.

0101	Bruce Dearstyne Class time/details on ELMs	Seats (Total: 30) ONLINE

INFM700 **Information Architecture**

INFM700 Information Architecture; (3 credits) Grade Method: REG/AUD. *Prerequisite: INFM603 or permission of instructor.* Principles and techniques of information organization and architecture for the Web environment. Structured description of digital resources, including data modeling techniques, metadata schemes, and user-oriented navigation systems.

0101	Paul Jacobs M 6:00pm - 8:45pm	Seats (Total: 30) PLS 1117

INFM718A **Selected Topics in Information Management; Seminar in Information for Decision-Making**

INFM718A Selected Topics in Information Management: Seminar in Information for Decision-Making; (3 credits) Grade Method: REG/AUD.

0101	Vedat Diker Class time/details on ELMs	Seats (Total: 20) ONLINE

INFM718I **Selected Topics in Information Management; Consumer Health Informatics**

INFM718I Selected Topics in Information Management: Consumer Health Informatics; (3 credits) Grade Method: REG/AUD.

0101	Bo Xie W 5:30pm - 8:15pm	Seats (Total: 16) HBK 4115

INFM718L **Selected Topics in Information Management; Database Design**

INFM718L Selected Topics in Information Management: Database Design; (1-3 credits) Grade Method: REG/AUD.

0101	Dagobert Soergel Tu 2:00pm - 4:45pm	Seats (Total: 25) HBK 1108

INFM718T **Selected Topics in Information Management; Transformational Information Technologies**

INFM718T Selected Topics in Information Management: Transformational Information Technologies; (3 credits) Grade Method: REG/AUD.

0101	Kenneth Fleischmann Tu 6:00pm - 8:45pm	Seats (Total: 10) HBK 1108

INFM718V **Selected Topics in Information Management; Organizational and Business Process Modeling**

INFM718V Selected Topics in Information Management: Organizational and Business Process Modeling; (3 credits) Grade Method: REG/AUD.

0101	Vedat Diker W 1:00pm - 3:45pm	Seats (Total: 30) HBK 2119

INFM719 **Independent Study**

INFM719 Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM732 **Information Audits and Environmental Scans**

INFM732 Information Audits and Environmental Scans; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM600 and INFM605. Not open to students who have completed INFM730 and/or INFM731. Credit will be granted for only one of the following: INFM730, INFM731, or INFM732. Techniques to assess the information needs of an organization to meet its strategic objectives. Methods of identifying information sources and gaps and of scanning the internal and external environment to identify changes that affect the organization. Application of information audits and environmental scans in strategic information management.

0101	Taverekere Srikantaiah Sa 9:30am - 12:15pm Sa 1:15pm - 3:45pm *Class will meet September 12 and 26; October 10 and 24; November 14; and December 5.*	Seats (Total: 30) HBK 0109 HBK 0109

INFM736 **Information Management Team Experience**

INFM736 Information Management Team Experience; (3 credits) Grade Method: S-F.
Prerequisite: permission of instructor and department. Corequisite: INFM 737. Required in students's last semester. Information issues within organizational frameworks. Integrated, team-based, experiential learning opportunity. This is a group independent study.

0101	Stephen Hannestad Contact instructor or department for details.	Seats (Total: 12)

INFM737 **Solving Problems in Information Management**

INFM737 Solving Problems in Information Management; (3 credits) Grade Method: S-F.
Corequisite: INFM 736. Required in student's last semester. In-depth problem analysis and resolution derived from and contributing to INFM 736. Independent study.

0101	Raymond Paquette Contact instructor or department for details.	Seats (Total: 15)
0201	Vedat Diker Contact instructor or department for details.	Seats (Total: 3)
0301	Stephen Hannestad Contact instructor or department for details.	Seats (Total: 1)
0401	Taverekere Srikantaiah Contact instructor or department for details.	Seats (Total: 3)

INFM741 **Social Computing Technologies and Applications**

INFM741 Social Computing Technologies and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 and INFM605 or permission of instructor. Tools and techniques for developing and configuring social computing applications. Theories and paradigms for social computing. Strengths and limitations of different application styles and types. Evolution of applications as responses to social computing challenges. Information and organizational systems co-development.

0101	Dave Yates Th 2:00pm - 4:45pm	Seats (Total: 29) BPS 1234

INFM743 **Development of Internet Applications**

INFM743 Development of Internet Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 or LBSC690 or equivalent. Mark up languages and methods for manipulating marked-up content. Techniques for adding interactivity to web pages. Installing and running servers. Server-side applications. Application programming interfaces for third-party content and tools. Extension development.

0101	Jennifer Golbeck Th 6:00pm - 8:45pm	Seats (Total: 30) PLS 1129

ITAL Italian Fall 2009

ITAL103 **Intensive Elementary Italian**

ITAL103 Intensive Elementary Italian; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed more than two years of high school Italian, or to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL103 or ITAL121. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 25) JMZ 0125 KEY 0125
0201	Federica Deigan TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) JMZ 0125 KEY 0121
0301	Christina Gentile MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2120
0401	Christina Gentile MTuWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0105

ITAL121 **Accelerated Italian I**

ITAL121 Accelerated Italian I; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ITAL103 or ITAL121. An intensive beginning course in Italian language skills: guided practice in reading, writing, understanding and conversation, to enable the student to move more quickly to advanced courses. Restricted to students already having a good background in at least one other foreign language. When taken with ITAL122, may be used to satisfy language requirement. Also offered as ITAL 121H.

0101	Stefania Amodeo MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 3120	

ITAL121H **Accelerated Italian I**

ITAL121H Accelerated Italian I; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ITAL103 or ITAL121. For general honors students only. Also offered as ITAL 121.

0101	Stefania Amodeo MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 3120	

ITAL122 **Accelerated Italian II**
Contact department for information to register for this course.

ITAL203 **Intensive Intermediate Italian**

ITAL203 Intensive Intermediate Italian; (4 credits) Grade Method: REG/P-F/AUD.
CORE Humanities (HO) Course.
Prerequisite: ITAL103 or equivalent. Not open to students who have completed ITAL122, four years of high school Italian, or to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL203 or ITAL122. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Maria Fleri MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 1122 JMZ 0118	 Discussion
0201	Maria Fleri MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) JMZ 3120 JMZ 1117	

ITAL204 **Review Grammar and Composition**

ITAL204 Review Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203 or ITAL122, or permission of department. An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

0101	Maria Fleri MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 0120
SA23	Michael Ulrich Contact instructor or department for details.	Seats (Total: 0)

ITAL211 **Intermediate Conversation**

ITAL211 Intermediate Conversation; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203 or permission of department. Not open to fluent/native speakers of Italian. Practice in spoken Italian based on reading and listening exercises in a variety of genres. Written assignments and exams.

0101	Stefania Amodeo MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1224

ITAL301 **Italian Composition**

ITAL301 Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL204 or permission of department. Techniques of composition; grammatical analysis; elements of style; free composition.

0101	Stefania Amodeo MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1122

ITAL352 **Survey of Italian Literature II: From the Renaissance to the Present**

ITAL352 Survey of Italian Literature II: From the Renaissance to the Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL251 or permission of department. Analysis of figures, themes and styles in fiction and poetry from the Renaissance to the present.

0101	Federica Deigan	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 1103

ITAL386 **Experiential Learning**

ITAL386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

ITAL399 **Directed Study in Italian**

ITAL399 Directed Study in Italian; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL411 **Dante in Translation**

ITAL411 Dante in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ITAL411 or ITAL412. Dante's thought as expressed in his major writings: The Vita Nuova, De Monarchia and The Divine Comedy. In English.

0101	Joseph Falvo	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 2122

ITAL431 **Italian Civilization in Translation**
Contact department for information to register for this course.

ITAL471 **Italian Cinema: A Cultural Approach in Translation**
Contact department for information to register for this course.

ITAL473 **Italian Cinema II - In Translation**

ITAL473 Italian Cinema II - In Translation; (3 credits) Grade Method: REG/P-F/AUD.
Freshman standing. Repeatable to 3 credits if content differs. Also offered as ITAL474. Credit will be granted for only one of the following: ITAL473 or ITAL474. Formerly ITAL499E. A study of Italian society and culture through the medium of film from the mid 1970's to the present. In English.

0101	Joseph Falvo	Seats (Total: 25)
	M 2:00pm - 5:00pm	JMZ 1224
	W 2:00pm - 3:15pm	JMZ 0205

ITAL475 **The Italian Opera Libretto in English**
Contact department for information to register for this course.

ITAL478C **Colloquium in Italian; Cinema**

ITAL478C Colloquium in Italian: Cinema; (1 credit) Grade Method: REG/P-F/AUD. This colloquium correlates with ITAL 473.

0101	Maria Fleri	Seats (Total: 10)
	W 3:30pm - 4:20pm	JMZ 0205

ITAL478D **Colloquium in Italian; Dante**

ITAL478D Colloquium in Italian: Dante; (1 credit) Grade Method: REG/P-F/AUD. This colloquium correlates with ITAL 411.

0101	Joseph Falvo	Seats (Total: 10)
	F 2:00pm - 2:50pm	JMZ 2207

ITAL497 **Senior Project**

ITAL497 Senior Project; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: four courses at 400-level in Italian; permission of department.* Individual independent study of an aspect of Italian literature, culture or society selected according to student interest and need in consultation with a member of the Italian program.

Contact department for information to register for this course.

ITAL498 **Special Topics in Italian Literature**

ITAL498 Special Topics in Italian Literature; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL499 **Special Topics in Italian Studies**

ITAL499 Special Topics in Italian Studies; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JAPN Japanese Fall 2009

JAPN101 **Elementary Japanese I**

Students with previous knowledge of Japanese who have not yet enrolled in a Japanese language course at UMCP must contact the Japanese program for a placement test prior to the first day of classes.

JAPN101 Elementary Japanese I; (6 credits) Grade Method: REG.

Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana). This course has been put on a timed release system. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

0101	Miki Reed MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1120 JMZ 0205	
0201	Makiko Inoue MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2123 JMZ 3120	 Discussion
0301	Miki Reed MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3122 JMZ 0118	

0401	Makiko Inoue MWF 12:00pm - 12:50pm TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 0120 JMZ 0205
0501	Kazuo Yaginuma MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1226 LEF 1220

JAPN201 **Intermediate Japanese I**

JAPN201 Intermediate Japanese I; (6 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: a grade C (2.0) or better in JAPN102 or permission of instructor.
Contemporary spoken and written Japanese.

0101	Etsuko Yamakita MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 3118
0201	Kazuo Yaginuma MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 0122
0301	Etsuko Yamakita MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 3118

JAPN301 **Advanced Japanese I**

JAPN301 Advanced Japanese I; (6 credits) Grade Method: REG.
Prerequisite: a grade of C (2.0) or better in JAPN202 or permission of instructor.
Advanced conversation, oral comprehension, and selected readings.

0101	Eiko Miura MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 2125
0201	Eiko Miura MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 2125

JAPN307 **Kanji and Composition**

JAPN307 Kanji and Composition; (3 credits) Grade Method: REG.
Not open to fluent/native writers of Kanji. Prerequisite: Grade of C (2.0) or better in JAPN301 and permission of instructor. Study of Kanji in context; intensive writing practice.

0101	Makiko Inoue	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 3203

JAPN386 **Experiential Learning**

JAPN386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.*

Contact department for information to register for this course.

JAPN402 **Readings in Japanese Cultural Studies**

JAPN402 Readings in Japanese Cultural Studies; (3 credits) Grade Method: REG. *Prerequisite: a grade of C (2.0) or better in JAPN401 or permission of instructor.* Development of advanced reading, vocabulary, grammar, and translation skills through selected readings in Japanese drawn from the fields of history, social sciences, cultural studies, film studies, and popular culture.

0101	Michele Mason	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 3205

JAPN408A **Special Topics in Japanese; Newspaper Japanese**

JAPN408A Special Topics in Japanese: Newspaper Japanese; (3 credits) Grade Method: REG/AUD.
Prerequisite: A grade of C or better in JAPN302.

0101	Miki Reed	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	JMZ 1226

JAPN438A **Topics in Japanese Pragmatics; Uchi/Soto (Inside/Outside) in Japanese Language and Culture**

JAPN438A Topics in Japanese Pragmatics: Uchi/Soto (Inside/Outside) in Japanese Language and Culture; (3 credits) Grade Method: REG. Prerequisite: A grade of C or better in JAPN201. Click here for more course information.

0101	Lindsay Yotsukura	Seats (Total: 20)
	MW 3:15pm - 4:30pm	JMZ 2122

JAPN498A **Special Topics in Japanese Studies; The Atomic Bomb in Literature and Memory: Japan and the U.S.**

JAPN498A Special Topics in Japanese Studies: The Atomic Bomb in Literature and Memory: Japan and the U.S.; (3 credits) Grade Method: REG/P-F/AUD. Fulfills the upper-division literature requirement for majors. Using literature, poetry, art, film and historical documents, this course examines the decision to use "the bomb," the ways Japanese writers and artists have attempted to convey the unprecedented experiences of Hiroshima and Nagasaki, and the post-war historical narratives of the atomic bombs in Japan and the U.S. It will also explore apocalyptic visions in American and Japanese science fiction, the meaning of Godzilla, gender and sexuality in atomic metaphors, peace movements and other topics to understand how the threat of nuclear arms continues to play a role in the politics and the popular imagination of these two countries. Also offered as AAST498Z.

0101	Michele Mason	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	HBK 0302J

JAPN499 **Directed Study in Japanese**

JAPN499 Directed Study in Japanese; (1-3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR Journalism Fall 2009

JOUR100 **Professional Orientation**

JOUR100 Professional Orientation; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed JOUR101. Credit will be granted for only one of the following: JOUR100 or JOUR101. Formerly JOUR101.* Survey of journalism professions, emphasizing appropriate academic and career development strategies. This course is restricted to JOUR students admitted for the Fall. Other students should register for the course in the Spring.

0101	Penny Fuchs M 2:00pm - 2:50pm	Seats (Total: 150) EGR 1202	

JOUR150 **Introduction to Mass Communication**
Contact department for information to register for this course.

JOUR175 **Media Literacy**

JOUR175 Media Literacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. *Not applicable toward journalism major.* An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 9) ASY 2203 PLS 1119	 Discussion
0201	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) ASY 2203 HBK 1108	 Discussion
0301	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 5) ASY 2203 EDU 0206	 Discussion
0401	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 10) ASY 2203 PLS 1119	 Discussion

0501	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) ASY 2203 HBK 0103	Discussion
0601	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) ASY 2203 EDU 0114	Discussion
0701	Susan Moeller Tu 2:00pm - 3:15pm F 12:30pm - 1:45pm	Seats (Total: 8) ASY 2203 PLS 1146	Discussion
0801	Susan Moeller Tu 2:00pm - 3:15pm F 12:30pm - 1:45pm	Seats (Total: 10) ASY 2203 PLS 1115	Discussion

JOUR175U **Media Literacy**

JOUR175U Media Literacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. *Not applicable toward journalism major.*

0101	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 0) ASY 2203 PLS 1119	Discussion
0301	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 0) ASY 2203 EDU 0206	Discussion
0401	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 0) ASY 2203 PLS 1119	Discussion
0801	Susan Moeller Tu 2:00pm - 3:15pm F 12:30pm - 1:45pm	Seats (Total: 0) ASY 2203 PLS 1115	Discussion

JOUR181 **Grammar for Journalists**

JOUR181 Grammar for Journalists; (1 credit) Grade Method: REG/P-F/AUD.
Pre- or corequisite: JOUR100. Credit will be granted for only one of the following: ENGL181, ENGL281, or JOUR181. An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with emphasis with an emphasis on its application in journalism. Pre or Corequisite: Jour 100 or permission of department.

0101	Linda Coleman W 2:00pm - 2:50pm	Seats (Total: 130) EGR 1202

JOUR199 **Survey Apprenticeship**

JOUR199 *(PermReq)* **Survey Apprenticeship; (1 credit)** Grade Method: S-F.

0101	Penny Fuchs Contact instructor or department for details.	Seats (Total: 20)

JOUR200 **Journalism History, Roles and Structures**

JOUR200 *(PermReq)* **Journalism History, Roles and Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: JOUR100. For JOUR majors only. Introduction to the study of journalism from the standpoint of media history and sociology. Also intended for students planning on pursuing a Journalism Major. Non-journalism majors should contact Marchelle Payne at (301) 405-2399 for permission to register.

0101	Carl Stepp TuTh 11:00am - 12:15pm	Seats (Total: 34) JRN 1105
0201	Kimberly Davis MW 2:00pm - 3:15pm	Seats (Total: 34) TWS 1107
0301	John Kirch TuTh 11:00am - 12:15pm	Seats (Total: 34) HBK 0115

JOUR201 **News Writing and Reporting I**

JOUR201 *(PermReq)* **News Writing and Reporting I; (3 credits)** Grade Method: REG.
Pre- or corequisite: JOUR100. Grammar competency demonstrated by a grade of C (2.0) or better in JOUR181 or a score of 52 or higher on the TSWE and permission of department. Sophomore standing. Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. For students intending to be journalism majors.

0101	Jeff Lemberg TuTh 10:00am - 11:50am	Seats (Total: 18) JRN 3111
0201	Richard Jones TuTh 2:00pm - 3:50pm	Seats (Total: 18) JRN 3111
0301	January Payne TuTh 7:00pm - 8:50pm	Seats (Total: 18) JRN 3111
0401	Ylan McClintock TuTh 8:00am - 9:50am	Seats (Total: 18) JRN 3103
0501	Denise Cabrera MW 8:00am - 9:50am	Seats (Total: 18) JRN 3111
0601	Robert Doherty MW 7:00pm - 8:50pm	Seats (Total: 18) JRN 3102
0701	Myron Beckenstein TuTh 4:00pm - 5:50pm	Seats (Total: 18) JRN 3111

JOUR202 **News Editing**

JOUR202 *(PermReq)* **News Editing; (3 credits)** Grade Method: REG.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Copy editing, graphic principles and processes, new media technology.

0101	Robert Grover MW 10:00am - 11:50am	Seats (Total: 18) JRN 3111
0201	Jay Goldman TuTh 7:00pm - 8:50pm	Seats (Total: 18) JRN 3102

0301	Diana Huffman TuTh 10:00am - 11:50am	Seats (Total: 18) JRN 3103	

JOUR203 **Multimedia Reporting**

JOUR203 *(PermReq)* **Multimedia Reporting; (3 credits)** Grade Method: REG. *Prerequisite: JOUR201. For JOUR majors only. Credit will be granted for only one of the following: JOUR203 or JOUR328G.* Preparing textual, audio and video news messages in a traditional deadline atmosphere for digital delivery.

0101	Timothy Jacobsen, Jeffrey Young, Christina Hughey F 12:00pm - 2:45pm	Seats (Total: 18) JRN 3102	
0201	Christina Hughey, Timothy Jacobsen, Jeffrey Young F 12:00pm - 2:45pm	Seats (Total: 18) JRN 3111	

JOUR240 **Advertising in America**

JOUR240 Advertising in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Not open to students who have completed JOUR340. Credit will be granted for only one of the following: JOUR240 or JOUR340. Formerly JOUR340. Survey of the history, regulation and organization of advertising; advertising strategies and effects.

0101	Eric Zanot TuTh 9:30am - 10:45am	Seats (Total: 25) JRN 1105	

JOUR262 **News Editing for Broadcast**

JOUR262 *(PermReq)* **News Editing for Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grade of C or better in JOUR201 and permission of department. Credit will be granted for only one of the following: JOUR202B or JOUR262. Principles and processes of broadcast newsroom editing. Also offered as JOUR503.

0101	Albert Calogero MW 7:00pm - 8:50pm TBA	Seats (Total: 13) KEY 0107 TWS 0117	 Lab

0201	Fred Haberstick TuTh 7:00pm - 8:50pm TBA	Seats (Total: 13) KEY 0107 TWS 0117	 Lab

JOUR300 **Journalism Ethics**

JOUR300 *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG. *Prerequisite: JOUR201. For JOUR majors only.* Examination of ethical problems in news writing and reporting.

0101	Christopher Hanson MW 2:00pm - 3:15pm	Seats (Total: 20) KEY 0120
0201	Marjorie Valbrun Th 7:15pm - 10:00pm	Seats (Total: 20) JRN 1104
0301	Tamara Cooke Henry TuTh 2:00pm - 3:15pm	Seats (Total: 20) SQH 1121
0401	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 15) KEY 1117

JOUR320 **News Writing and Reporting II: Print**

JOUR320 *(PermReq)* **News Writing and Reporting II: Print; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly.

0101	David Lightman MW 8:00am - 9:50am	Seats (Total: 18) JRN 3103
0201	Carol Richards TuTh 8:00am - 9:50am	Seats (Total: 18) JRN 3111
0301	Thomas Linthicum MW 7:00pm - 8:50pm	Seats (Total: 18) JRN 3111

0401	Thomas Frank TuTh 8:00am - 9:50am	Seats (Total: 18) JRN 3102

JOUR324 **Commentary and Editorial Writing**

JOUR324 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Not open to students who have completed JOUR326 prior to January 1, 1992. Formerly JOUR326. Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 2:00pm - 3:15pm	Seats (Total: 18) JRN 1116

JOUR325 **Print News Bureau**

JOUR325 *(PermReq)* **Print News Bureau; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Advanced journalism training. Students report as part of College's Capital News Service program. Section 0101 meets in the National Press Building, Washington, DC. Section 0201 meets in the CNS Bureau, Annapolis, MD. Also offered as JOUR 625. Contact Assistant Dean Steve Crane to obtain permission.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 9)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 9)

JOUR327 **Urban Affairs Reporting**

JOUR327 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Studens will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore. Course meets in Baltimore. Course shares space with JOUR627.

0101	Sandra Banisky F 11:00am - 1:45pm *Course meets in Baltimore.*	Seats (Total: 4) Location: TBA

JOUR328B **Special Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR328B *(PermReq)* **Special Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 320. Contact department to obtain permission.

0101	George Solomon W 12:00pm - 2:45pm	Seats (Total: 15) JRN 1105

JOUR328G **Special Topics in News Writing and Reporting; Non-Print Media for Print and Online Journalists**

JOUR328G *(PermReq)* **Special Topics in News Writing and Reporting: Non-Print Media for Print and Online Journalists; (3 credits)** Grade Method: REG/P-F/AUD.
A digital camera will be used for a portion of the course. Students may be required to rent or purchase a digital camera. Contact department for camera specifications. Course shared with JOUR628G. Prerequisite: JOUR320.

0101	Megan Rossman, Timothy Jacobsen, Jeffrey Young F 12:00pm - 2:45pm	Seats (Total: 12) JRN 3103

JOUR328M **Special Topics in News Writing and Reporting; Magazine Journalism**

JOUR328M *(PermReq)* **Special Topics in News Writing and Reporting: Magazine Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320.

0101	Jeff Lemberg TuTh 4:00pm - 5:15pm	Seats (Total: 18) JRN 3103

JOUR350 **Graphics**

JOUR350 *(PermReq)* **Graphics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of 'C' (2.0) or better in JOUR202 or 262. Credit will be granted for only one of the following: JOUR350 or JOUR373. An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.

0101	George Lanum TuTh 12:00pm - 1:50pm	Seats (Total: 18) JRN 3103
0201	John Vockley, Robert Yuill TuTh 12:00pm - 1:50pm	Seats (Total: 18) JRN 3102
0301	Robert Yuill, John Vockley MW 12:00pm - 1:50pm	Seats (Total: 18) JRN 3102

JOUR352 **Online Journalism**

JOUR352 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: JOUR202 or JOUR262. For JOUR majors only.* Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed.

0101	Christine Harvey W 1:00pm - 3:45pm	Seats (Total: 17) JRN 3103
0201	Alexandra Newman MW 7:00pm - 8:15pm	Seats (Total: 18) JRN 3103
0301	Leslie Walker M 1:00pm - 3:45pm	Seats (Total: 12) JRN 3103
0401	Sean Mussenden M 7:00pm - 9:45pm	Seats (Total: 12) JRN 3117

JOUR353 **Advanced Online Reporting**

JOUR353 *(PermReq)* **Advanced Online Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR352, permission of department and JOUR320 or JOUR360. Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling. Students report and write for an online magazine.

0101	Christine Harvey F 9:00am - 5:00pm	Seats (Total: 5) JRN 3117

JOUR354 **Interactive Multimedia Storytelling**

JOUR354 *(PermReq)* **Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR352. For JOUR majors only. Advanced development of multimedia journalism, with emphasis on interactivity and application of new technologies, drawing on multiple sources, technologies and techniques to create interactive narratives.

0101	Kristen Novak MW 8:00am - 9:15am	Seats (Total: 7) JRN 3117	

JOUR355 **Online News Bureau**

JOUR355 *(PermReq)* **Online News Bureau; (3 credits)** Grade Method: REG/AUD.
Prerequisite: (JOUR202 or JOUR262) and (JOUR320 or JOUR360) and JOUR352; and permission of department. Advanced online journalism training. Students work as multimedia editors and producers for an online newsmagazine, building interactive content and special reports. Contact instructor to obtain permission.

0101	Christine Harvey TuTh 9:00am - 1:00pm	Seats (Total: 10) Location: TBA	

JOUR360 **News Writing and Reporting II: Broadcast**

JOUR360 *(PermReq)* **News Writing and Reporting II: Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Writing and reporting for broadcast media: production of news stories.

0101	Cassandra Clayton M 12:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 18) JRN 3111 JRN 3103	 Lab
0102	Cassandra Clayton M 4:00pm - 5:50pm W 4:00pm - 4:50pm	Seats (Total: 18) JRN 3111 JRN 3111	 Lab

JOUR361 **Television Reporting and Production**

JOUR361 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360. Writing and editing for the broadcast media. Interpretive and documentary news stories. Due to rigorous fieldwork requirement, plan your schedule accordingly. JOUR 262 is strongly recommended.

0101	Ronald Yaros M 12:00pm - 2:45pm	Seats (Total: 12) ASY 3221	
0102	Ronald Yaros M 3:00pm - 5:45pm	Seats (Total: 12) TWS 0117	
0301	Stanley Heist TuTh 10:00am - 11:30am	Seats (Total: 10) KEY 0107	

JOUR362 **Broadcast News Producing**

JOUR362 *(PermReq)* **Broadcast News Producing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360;. Pre- or corequisite: JOUR361. Credit will be granted for only one of the following: JOUR362 or JOUR368B. Formerly JOUR368B. Producing TV news.

0102	Cindy Wright M 7:30pm - 9:30pm Tu 1:00pm - 6:00pm	Seats (Total: 2) JRN 1104 TWS 0117	 Lab
0103	Cindy Wright M 7:30pm - 9:30pm W 1:00pm - 6:00pm	Seats (Total: 2) JRN 1104 TWS 0117	 Lab
0104	Cindy Wright M 7:30pm - 9:30pm Th 1:00pm - 6:00pm	Seats (Total: 2) JRN 1104 TWS 0117	 Lab
0105	Cindy Wright M 7:30pm - 9:30pm F 1:00pm - 6:00pm	Seats (Total: 2) JRN 1104 TWS 0117	 Lab

JOUR367 **Broadcast News Bureau**

JOUR367 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR361 and permission of department. Advanced broadcast journalism training. Students report as part of the College's Capital News Service program. Also offered as JOUR667. Contact Assistant Dean Steve Crane to obtain permission.

0101	Susan Katcef	Seats (Total: 8)
	Contact instructor or department for details.	

JOUR368B **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

JOUR368B *(PermReq)* **Topics in Broadcast and Electronic Media: Broadcast Sports Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360, or permission of department.

0101	Greg Toland	Seats (Total: 12)
	MW 10:00am - 11:50am	TLF 1103
	Contact instructor or department for details.	

JOUR368P **Topics in Broadcast and Electronic Media; Photojournalism I**

JOUR368P *(PermReq)* **Topics in Broadcast and Electronic Media: Photojournalism I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360. Also open to students who have completed JOUR320. The basics of photography and telling stories through images. An examination of composition, lighting, camera technique and the ethicaland legal issues facing photographers. Students may be required to rent or purchase a digital camera. Contact department for camera specifications.

0101	John Davidson	Seats (Total: 12)
	TuTh 3:30pm - 4:45pm	JRN 3102

JOUR368R **Topics in Broadcast and Electronic Media; Radio Broadcasting**

JOUR368R *(PermReq)* **Topics in Broadcast and Electronic Media: Radio Broadcasting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360 and permission of department.

0101	Merrilee Cox TuTh 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 12) JRN 1104

JOUR371 **Feature Writing**

JOUR371 *(PermReq)* **Feature Writing; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: JOUR320.* Research and writing feature articles. Majors only.

0301	Blake Morrison TuTh 8:00am - 9:15am	Seats (Total: 18) JRN 1104

JOUR372 **Writing the Complex Story**

JOUR372 *(PermReq)* **Writing the Complex Story; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR371. Credit will be granted for only one of the following: JOUR372 or JOUR481. Formerly JOUR481. Explanatory journalism technique applied to complex subjects (such as science, economics and large scale social change) for books, magazines and newspaper series.

0101	Eugene Roberts Tu 10:00am - 12:45pm	Seats (Total: 8) JOUR 2114

JOUR380 **Science Writing for News Media**

JOUR380 *(PermReq)* **Science Writing for News Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of department. Writing of scientific and technical material for the general audience. Meeting space shared with JOUR680.

0101	Marlene Cimons Tu 6:00pm - 8:45pm	Seats (Total: 10) JRN 1116

JOUR398 **Independent Study**

JOUR398 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR399 **Supervised Internship**

JOUR399 *(PermReq)* **Supervised Internship; (1 credit)** Grade Method: REG. Prerequisite: Grade of C or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in JRN 1117, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted.

0101	Penny Fuchs	Seats (Total: 75)
	Contact instructor or department for details.	

JOUR400 **Media Law**

JOUR400 *(PermReq)* **Media Law; (3 credits)** Grade Method: REG. *Prerequisite: JOUR320 or JOUR360 or JOUR501. Junior standing.* Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required. Restricted to students having earned at least 53 credits. JOUR 400 is also offered during the summer. For more information consult the summer Schedule of Classes.

0101	Deborah Nelson	Seats (Total: 50)
	MW 4:00pm - 5:15pm	TYD 2109

JOUR451 **Advertising and Society**

JOUR451 Advertising and Society; (3 credits) Grade Method: REG/P-F/AUD. *Junior standing.* Advertising as an institution with manifest economic purposes and latent social effects. Influences of advertising on people, and related issues of ethics and social responsibility.

0101	Eric Zanot	Seats (Total: 14)
	W 1:00pm - 4:00pm	JRN 1104

JOUR452 **Women in the Media**

JOUR452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Also offered as WMST452. Credit will be granted for only one of the following: JOUR452 or WMST452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	JRN 1116

JOUR453 **News Coverage of Racial Issues**

JOUR453 News Coverage of Racial Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans. Also offered as AASP 499N.

0101	Tamara Cooke Henry	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	JRN 1105

JOUR458G **Special Topics in Journalism; Sports Journalism and Social Change**

JOUR458G Special Topics in Journalism: Sports Journalism and Social Change; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kevin Blackistone	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JRN 1116

JOUR459A **Special Topics in Journalism; Press' Role in the Civil Rights**

JOUR459A Special Topics in Journalism: Press' Role in the Civil Rights; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eugene Roberts	Seats (Total: 30)
	M 4:30pm - 7:00pm	JRN 1105

JOUR459C **Special Topics in Journalism; Special Problems in Communication: Carnegie Seminar**

JOUR459C *(PermReq)* **Special Topics in Journalism: Special Problems in Communication: Carnegie Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Contact Associate Dean Olive Reid to obtain permission.

0101	Deborah Nelson	Seats (Total: 4)
	M 6:00pm - 8:45pm	JRN 1116

JOUR459I **Special Topics in Journalism; Investigative Reporting**

JOUR459I *(PermReq)* **Special Topics in Journalism: Investigative Reporting; (1 credit)** Grade Method: REG/P-F/AUD.
Contact Assistant Dean Steve Crane to obtain permission.

0101	Scott Higham	Seats (Total: 15)
	Meets October 23, 2009 - December 11, 2009	
	F 9:00am - 10:50am	Location: TBA

JOUR459L **Special Topics in Journalism; European Mass Media**
Contact department for information to register for this course.

JOUR459M **Special Topics in Journalism; Multicultural Reporting**

JOUR459M *(PermReq)* **Special Topics in Journalism: Multicultural Reporting; (1 credit)** Grade Method: REG/P-F/AUD.
Contact Assistant Dean Steve Crane to obtain permission.

0101	Robbie Morganfield	Seats (Total: 15)
	Meets August 31, 2009 - October 16, 2009	
	F 9:00am - 10:50am	JRN 3111

JOUR459X **Special Topics in Journalism; Washington Post Seminar**

JOUR459X *(PermReq)* **Special Topics in Journalism: Washington Post Seminar; (1 credit)** Grade Method: REG.
Contact Assistant Dean Steve Crane to obtain permission.

0101	Stephen Crane F 12:30pm - 2:00pm	Seats (Total: 18) Location: TBA

JOUR462 **Professional Seminar in Public Affairs Reporting**

JOUR462 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Explore theoretical and practical issues in the press coverage of governments. Examine the complex press-government relationship.

0101	Haynes Johnson M 9:00am - 11:50am	Seats (Total: 3) JRN 1116

JOUR470 **Journalism and Public Communication Research**

JOUR470 Journalism and Public Communication Research; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A university statistics course. Students are encouraged to have completed the theory and skills courses in their major sequence. Credit will be granted for only one of the following: JOUR470 or JOUR477. Formerly JOUR477. Journalism and public communication research methods used in measuring public opinion and media programs and materials.

0101	Susan Moeller TuTh 12:30pm - 1:45pm	Seats (Total: 18) JRN 3111

JOUR471 **Public Opinion Research**

JOUR471 Public Opinion Research; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: a University statistics course. Measurement of public opinion and media habits; role of the media in the formation of public opinion.

0101	John Newhagen TuTh 10:00am - 11:15am	Seats (Total: 15) JRN 3102
0201	John Newhagen TuTh 2:00pm - 3:15pm	Seats (Total: 15) JRN 3102

JOUR472 **Computer-Assisted Reporting**

JOUR472 *(PermReq)* **Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Not open to students who have completed JOUR328. Credit will be granted for only one of the following: JOUR328 or JOUR472. Formerly JOUR328. Computer and online data acquisition; analytical methods for writing and reporting news. Contact the instructor to obtain permission.

0101	Ira Chinoy MW 10:00am - 11:50am	Seats (Total: 1) JRN 3102	
0201	Ira Chinoy MW 2:00pm - 3:50pm	Seats (Total: 10) JRN 3102	

JOUR501 **Fundamentals of Writing and Editing**

JOUR501 *(PermReq)* **Fundamentals of Writing and Editing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Principles of news and feature writing. For graduate students with limited prior training or experience in journalism.

0101	Sandra Banisky MW 2:00pm - 3:50pm	Seats (Total: 18) JRN 3111	
0201	Stephen Crane TuTh 5:00pm - 6:50pm	Seats (Total: 12) JRN 3102	

JOUR503 **Reporting for Broadcast News**

JOUR503 Reporting for Broadcast News; (3 credits) Grade Method: REG/AUD.
Prerequisite: JOUR 501. Also offered as JOUR 262. Training in gathering and producing news for radio and television newcasts.

0101	Albert Calogero MW 7:00pm - 8:50pm TBA	Seats (Total: 13) KEY 0107 TWS 0117	 Lab
0201	Fred Haberstick TuTh 7:00pm - 8:50pm TBA	Seats (Total: 13) KEY 0107 TWS 0117	 Lab

JOUR531 **Humphrey Seminar I**

JOUR531 *(PermReq)* **Humphrey Seminar I; (2 credits)** Grade Method: REG.
Prerequisite: Admission to Humphrey Fellow Program and permission of department. Introduction to journalism issues; American culture and government; and leadership training.

0101	Lucinda Fleeson F 10:00am - 1:00pm	Seats (Total: 12) PKT 1210

JOUR600 **Journalism Ethics**

JOUR600 Journalism Ethics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examination of ethical problems in journalism and the media industry.

0101	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 16) KEY 1117

JOUR601 **Theories of Journalism and Public Communication**

JOUR601 Theories of Journalism and Public Communication; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Survey and evaluation of current communication theories. Attention is given to the nature and function of scientific theory, models of communication behavior, the nature of information, social functions of journalism and public communication, attitude change and persuasive communication and theories of language and meaning.

0101	Linda Steiner Tu 4:15pm - 7:00pm	Seats (Total: 16) JRN 1104

JOUR610 **Seminar in Mass Media History**

JOUR610 Seminar in Mass Media History; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR610 or JOUR710. Formerly JOUR710. Analysis and discussion of the interrelationships between the mass media and society, including various social and cultural elements of modern society; responsibilities of the mass media and the mass communicator.

0101	Linda Steiner W 2:00pm - 5:00pm	Seats (Total: 10) JRN 1102

JOUR620 **Seminar in Public Affairs Reporting**

JOUR620 *(PermReq)* **Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 502 or equivalent.

0101	Carl Stepp W 1:00pm - 3:45pm	Seats (Total: 18) JRN 2114

JOUR624 **Commentary and Editorial Writing**

JOUR624 Commentary and Editorial Writing; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 624 or JOUR 628N. Formerly JOUR628N. Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 2:00pm - 3:15pm	Seats (Total: 1) JRN 1116

JOUR625 **Print News Bureau**

JOUR625 Print News Bureau; (6 credits) Grade Method: REG/AUD.
Prerequisite: JOUR 620 and permission of department. Credit will be granted for only one of the following: JOUR 625 or JOUR 729. Formerly JOUR729. Advanced journalism training. Students report as part of College's Capital News Service program. Also offered as JOUR 325. Contact Assistant Dean Steve Crane to obtain permission.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 9)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 9)

JOUR627 **Advanced Urban Affairs Reporting**

JOUR627 *(PermReq)* **Advanced Urban Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 and permission of department. Studens will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore. Course shares space with JOUR327.

0101	Sandra Banisky F 11:00am - 1:45pm *Course meets in Baltimore.*	Seats (Total: 6) Location: TBA

JOUR628B **Specialized Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR628B *(PermReq)* **Specialized Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/AUD.

0101	George Solomon W 12:00pm - 2:45pm	Seats (Total: 1) JRN 1105

JOUR628G **Specialized Topics in News Writing and Reporting; Non-Print Media for Print and Online Journalists**

JOUR628G *(PermReq)* **Specialized Topics in News Writing and Reporting: Non-Print Media for Print and Online Journalists; (3 credits)** Grade Method: REG/AUD.

0101	Megan Rossman, Timothy Jacobsen, Jeffrey Young F 12:00pm - 2:45pm	Seats (Total: 4) JRN 3103

JOUR640 **Seminar in Advertising Communication**

JOUR640 Seminar in Advertising Communication; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 640 and JOUR 740. Formerly JOUR740. Role of advertising as a form of public communication in American society. Advertising and the firm; advertising and the economy; advertising and the individual; advertising and consumerism; advertising and the media.

0101	Eric Zanot W 1:00pm - 4:00pm	Seats (Total: 2) JRN 1104

JOUR652 **Online Journalism**

JOUR652 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/AUD. *Prerequisites: JOUR 502, JOUR 503, or equivalent. For JOUR majors only.* Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, are also to be discussed.

0101	Leslie Walker M 1:00pm - 3:45pm	Seats (Total: 5) JRN 3103	

JOUR655 **Online News Bureau**

JOUR655 *(PermReq)* **Online News Bureau; (6 credits)** Grade Method: REG/AUD. *Prerequisite: JOUR 652 (or equivalent) and permission of department.* Advanced online journalism training. Students work as online reporters, editors and producers for an online news magazine. Students also package copy from the print and broadcast news bureaus. Prerequisites: JOUR 620 and 652 or equivalent. Contact the instructor to obtain permission.

0101	Christine Harvey TBA	Seats (Total: 3) JRN 3117	 Lab

JOUR661 **Television Reporting and Production**

JOUR661 Television Reporting and Production; (3 credits) Grade Method: REG/AUD.
Prerequisite: JOUR 503 or equivalent. For JOUR majors only. Reporting, writing, editing and production of broadcast news.

0101	Ronald Yaros M 12:00pm - 2:45pm	Seats (Total: 1) ASY 3221
0102	Ronald Yaros M 3:00pm - 6:00pm	Seats (Total: 1) TWS 0117

JOUR667 **Broadcast News Bureau**

JOUR667 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisites: JOUR 503 (or equvialent) and permission of department. Advanced broadcast journalism training. Students report as part of the College's Captial News Service program. Also offered as JOUR367. Contact Assistant Dean Steve Crane to obtain permission.

0101	Susan Katcef Contact instructor or department for details.	Seats (Total: 8)	

JOUR668B **Topics in Broadcasting and Electronic Media; Broadcast News Producing**

JOUR668B Topics in Broadcasting and Electronic Media: Broadcast News Producing; (3 credits) Grade Method: REG/AUD.

0102	Cindy Wright M 7:30pm - 9:30pm Tu 1:00pm - 6:00pm	Seats (Total: 0) JRN 1104 TWS 0117	 Lab
0103	Cindy Wright M 7:30pm - 9:30pm W 1:00pm - 6:00pm	Seats (Total: 0) JRN 1104 TWS 0117	 Lab
0104	Cindy Wright M 7:30pm - 9:30pm Th 1:00pm - 6:00pm	Seats (Total: 0) JRN 1104 TWS 0117	 Lab
0105	Cindy Wright M 7:30pm - 9:30pm F 1:00pm - 6:00pm	Seats (Total: 0) JRN 1104 TWS 0117	 Lab

JOUR672 **Writing the Complex Story**

JOUR672 *(PermReq)* **Writing the Complex Story; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 502 or equivalent, and permission of department. Credit will be granted for only one of the following: JOUR 662 or JOUR 672. Formerly JOUR622. Advanced writing, focusing on the strategies and techniques of modern explanatory journalism.

0101	Eugene Roberts Tu 10:00am - 12:45pm	Seats (Total: 12) JRN 2114

JOUR677 **Literary Journalism**

JOUR677 Literary Journalism; (3 credits) Grade Method: REG/AUD. *Prerequisite: JOUR620 or permission of department. Not open to students who have completed JOUR377 or JOUR487. Credit will be granted for only one of the following: JOUR377, JOUR487 or JOUR677.* Practice in the use of literary techniques and especially of dramatic structure in modern newspaper series, magazine pieces and books. Analysis, researching and writing of nonfiction stories, usually with a focus on a specialized area chosen by the student.

0101	Jon Franklin M 1:00pm - 3:45pm	Seats (Total: 8) JRN 1102

JOUR680 **Science Communication**

JOUR680 Science Communication; (3 credits) Grade Method: REG/AUD. Advanced professional training in science reporting and writing for the mass media and in technical communication to specialized audiences. Communication behaviors of scientists and audiences. Application of communication theory and the history and philosophy of science to science writing. Meeting space shared with JOUR380.

0101	Marlene Cimons Tu 6:00pm - 8:45pm	Seats (Total: 5) JRN 1116

JOUR698 **Special Problems in Communication**

JOUR698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR698A **Special Problems in Communication; Advanced Interactive Multimedia Storytelling**

JOUR698A *(PermReq)* **Special Problems in Communication: Advanced Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/AUD. This course is shared with JOUR354.

0101	Kristen Novak	Seats (Total: 4)
	MW 8:00am - 9:15am	JRN 3117

JOUR698C **Special Problems in Communication; Carnegie Seminar**

JOUR698C *(PermReq)* **Special Problems in Communication: Carnegie Seminar; (3 credits)** Grade Method: REG/AUD.

0101	Deborah Nelson	Seats (Total: 10)
	M 6:00pm - 8:45pm	JRN 1116

JOUR698D **Special Problems in Communication; CARNEGIE PRACTICUM**

JOUR698D *(PermReq)* **Special Problems in Communication: CARNEGIE PRACTICUM; (1 credit)** Grade Method: REG/AUD.

0101	Deborah Nelson	Seats (Total: 12)
	Contact instructor or department for details.	

JOUR698M **Special Problems in Communication; Media Transformation in the Digital Age: Explorations in Journalism, Technology and Digital Culture**

JOUR698M Special Problems in Communication: Media Transformation in the Digital Age: Explorations in Journalism, Technology and Digital Culture; (3 credits) Grade Method: REG/AUD.

0101	Kalyani Chadha	Seats (Total: 7)
	Th 9:00am - 11:45am	ARM 0103

JOUR700 **Seminar in Media Law**

JOUR700 *(PermReq)* **Seminar in Media Law; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Admission to journalism graduate program or permission of department. Credit will be granted for only one of the following: JOUR400,JOUR700 or JOUR755. Formerly JOUR755.* Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, and contempt, and other aspects of the law applied to mass communication.

0101	Diana Huffman	Seats (Total: 16)
	TuTh 2:00pm - 3:15pm	JRN 1105

JOUR762 **Professional Seminar in Public Affairs Reporting**

JOUR762 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 620 and permission of department. Not open to students who have completed JOUR 462. Examination of theoretical and practical issues in the press coverage of government and public affairs.

0101	Haynes Johnson M 9:00am - 11:50am	Seats (Total: 15) JRN 1116

JOUR772 **Methods in Computer-Assisted Reporting**

JOUR772 *(PermReq)* **Methods in Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Pre- or corequisite: JOUR501 or equivalent. Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects.

0101	Ira Chinoy MW 10:00am - 11:50am	Seats (Total: 10) JRN 3102
0201	Ira Chinoy MW 2:00pm - 3:50pm	Seats (Total: 1) JRN 3102

JOUR798 **Master's Professional Fieldwork**

JOUR798 *(PermReq)* **Master's Professional Fieldwork; (2-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

JOUR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR800 **Introduction to Doctoral Study in Journalism and Public Communication**

JOUR800 *(PermReq)* **Introduction to Doctoral Study in Journalism and Public Communication; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 700 or JOUR 800. Formerly JOUR700. Basic skills in journalism and public communication research.

0101	Carol Rogers	Seats (Total: 10)
	W 11:00am - 1:45pm	JRN 1102

JOUR808B **Doctoral Colloquium; Teaching as a Transformative Enterprise**

JOUR808B *(PermReq)* **Doctoral Colloquium: Teaching as a Transformative Enterprise; (1 credit)** Grade Method: REG/AUD.

0101	Lee Thornton	Seats (Total: 4)
	W 4:00pm - 6:00pm	JRN 2114

JOUR888 **Doctoral Professional Field Work**

JOUR888 Doctoral Professional Field Work; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

JOUR889 Doctoral Tutorial in Journalism and Public Communication; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

JOUR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

JOUR899 *(PermReq)* **Doctoral Dissertation Research in Journalism and Mass Communication; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST Jewish Studies Fall 2009

JWST141 **American Jewish Experience**

JWST141 American Jewish Experience; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Also offered as HIST106. Credit will be granted for only one of the following: JWST141 or HIST106. History of the Jews in America from Colonial times to the present. Emphasis on the waves of migration from Germany and Eastern Europe; the changing nature of the American Jewish community and its participation in American social, economic, and political life.

0101	Marsha Rozenblit	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 0116

JWST219N **Introduction to the New Testament: Messianic Midrash in a Greco-Roman World**

JWST219N Introduction to the New Testament: Messianic Midrash in a Greco-Roman World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Also offered as ENGL278N.

0101	Peter Antoci University Chaplain	Seats (Total: 35)
	W 3:00pm - 5:30pm	SQH 2117

JWST227 **Reconstructing the Civilization of Ancient Mesopotamia**

JWST227 Reconstructing the Civilization of Ancient Mesopotamia; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST280. Not open to students who have completed HEBR440. Credit will be granted for only one of the following: JWST227 or HIST280. Formerly HEBR440. History and culture of Ancient Mesopotamia, as reconstructed from archeology, language, and texts of the region. Emphasis on culture, literature, religion, and institutions.

0101	Mark Cohen TuTh 12:30pm - 1:45pm	Seats (Total: 60) TYD 2109	

JWST234 **History of the Jewish People I**

JWST234 History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as HIST282. Credit will be granted for only one of the following: JWST234 or HIST282.* Political, economic, social, and cultural development within Jewish history from the Biblical period to the late Middle Ages. Special attention to the emergence of Rabbinic Judaism and its subsequent encounter with medieval Christian and Islamic civilizations.

0101	Bernard Cooperman MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) EGR 1202 ARM 0103	Discussion
0102	Bernard Cooperman MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 18) EGR 1202 BPS 1234	Discussion
0103	Bernard Cooperman MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 20) EGR 1202 JMZ 1120	Discussion
0104	Bernard Cooperman MW 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 20) EGR 1202 ARM 0121	Discussion
0105	Bernard Cooperman MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 18) EGR 1202 EGR 1102	Discussion
0106	Bernard Cooperman MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) EGR 1202 EGR 1102	Discussion
0107	Bernard Cooperman MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) EGR 1202 JMZ 1124	Discussion

0108	Bernard Cooperman MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) EGR 1202 KEY 0119	 Discussion

JWST234H **History of the Jewish People I**

JWST234H History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as HIST282. Credit will be granted for only one of the following: JWST234 or HIST282.*

0101	Bernard Cooperman MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 12) EGR 1202 TLF 2100	 Discussion

JWST250 **Fundamental Concepts of Judaism**

JWST250 Fundamental Concepts of Judaism; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Also offered as PHIL234. Not open to students who have completed PHIL234. Credit will be granted for only one of the following: JWST250 or PHIL234. A conceptional introduction to Judaism, analyzing its fundamental concepts from both analytical and historical perspectives. Discussion of "normative" Judaism as well as other conceptions of Judaism. Topics include: God, the Jewish people, authority, ethics, the sacred and the profane, particularism and universalism.

0101	Charles Manekin MW 2:00pm - 3:15pm	Seats (Total: 20) ASY 3215	

JWST262 **The Hebrew Bible: Narrative**

JWST262 The Hebrew Bible: Narrative; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as ENGL262. Not open to students who have completed HEBR223. Credit will be granted for only one of the following: JWST262 or ENGL262. Formerly HEBR223. Selected readings from narrative sections of the Hebrew Bible stressing the new literary approaches to the biblical text. In English; no knowledge of Hebrew required.

0101	Maxine Grossman TuTh 2:00pm - 3:15pm	Seats (Total: 45) HJP 1229
SA25	Michael Ulrich Contact instructor or department for details.	Seats (Total: 0)

JWST272 **Introduction to Jewish Literature**

JWST272 Introduction to Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to students who have completed HEBR231. Formerly HEBR231. A survey of Jewish literature and introduction to methods of reading literature in general and Jewish literature in particular. Concern with what makes a literary corpus Jewish and other issues of canonicity. All texts in English translation.

0101	Miriam Isaacs TuTh 2:00pm - 3:15pm	Seats (Total: 34) SQH 2117

JWST275 **The Jew and the City through the Centuries**

JWST275 The Jew and the City through the Centuries; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as HIST286. Credit will be granted for only one of the following: HIST286 or JWST275. Jewish urban experience from ancient times to the present. Public space and private. The city and the sacred. Jewish ghettos and quarters. The struggle over modern Jerusalem.

0101	Bernard Cooperman MWF 12:00pm - 12:50pm	Seats (Total: 40) KEY 0103

JWST283 **Intensive Elementary Yiddish I**

JWST283 Intensive Elementary Yiddish I; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed GERM149Y or JWST282. Credit will be granted for only one of the following: GERM149y, JWST282 or JWST283. An intensive introduction to the Yiddish language. Course covers one year of language instruction in one semester.

0101	Miriam Isaacs TuTh 9:30am - 10:45am Contact instructor or department for details.	Seats (Total: 18) HBK 1108

JWST319G **Special Topics in Jewish Studies; State, Majority and Minority in the Middle East.**

JWST319G Special Topics in Jewish Studies: State, Majority and Minority in the Middle East.; (3 credits) Grade Method: REG/P-F/AUD.

0101	Asad Ghanim Tu 5:00pm - 7:45pm	Seats (Total: 9) TYD 1114

JWST319P **Special Topics in Jewish Studies; Israeli-Palestinian Conflict & Reconciliation: Past and Future Scenarios.**

JWST319P Special Topics in Jewish Studies: Israeli-Palestinian Conflict & Reconciliation: Past and Future Scenarios.; (3 credits) Grade Method: REG/P-F/AUD.

0101	Asad Ghanim Tu 2:00pm - 4:45pm	Seats (Total: 9) TYD 1114

JWST381 **Introduction to Hebrew Cultural Studies**

JWST381 Introduction to Hebrew Cultural Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR314 or permission of instructor. Not open to students who have completed HEBR381. Credit will be granted for only one of the following: HEBR381 or JWST381. Critical study of Israeli culture with special emphasis or literature film, and art as sites of struggle over political and social meaning during times of cultural transformation in Israel. Topics will focus on the historical development of Israeli identity and gender, in particular within the military and Zionist youth movements. Taught in Hebrew.

0101	Eric Zakim Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 20) JMZ 1215 JMZ 2120

JWST409O **Research Seminar in Jewish Studies; The Rabbinic Movement in Palenstine and Babylonia, Orgins and Development**

JWST409O Research Seminar in Jewish Studies: The Rabbinic Movement in Palenstine and Babylonia, Orgins and Development; (3-4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Also offered as HIST408O.

0101	Hayim Lapin	Seats (Total: 10)
	W 3:30pm - 5:30pm	TLF 2100

JWST418 **Honors Thesis Research in Jewish Studies**

JWST418 Honors Thesis Research in Jewish Studies; (3-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST419C **Special Topics in Jewish Studies; Israeli Cinema**

JWST419C Special Topics in Jewish Studies: Israeli Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HEBR498C.

0101	Eric Zakim	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	SQH 1119

JWST419F **Special Topics in Jewish Studies; Pedagogy and Instruction: The Hebrew Classroom**

JWST419F Special Topics in Jewish Studies: Pedagogy and Instruction: The Hebrew Classroom; (3 credits) Grade Method: REG/P-F/AUD.

0101	Avital Feuer	Seats (Total: 30)
	M 4:30pm - 7:00pm	HZF 0101

JWST419M **Special Topics in Jewish Studies; Jewish Leadership**

JWST419M Special Topics in Jewish Studies: Jewish Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDCP418F.

0101	Ari Israel	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ARC 1101

JWST419P **Special Topics in Jewish Studies; History of Israel: Politics, Society, Culture**

JWST419P Special Topics in Jewish Studies: History of Israel: Politics, Society, Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST428X.

0101	Yoram Peri	Seats (Total: 35)
	MW 2:00pm - 3:15pm	HBK 1112

JWST419Q **Special Topics in Jewish Studies; History of Jewish Education**

JWST419Q Special Topics in Jewish Studies: History of Jewish Education; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDPS488Q and HIST428Q.

0101	Eliyana Adler	Seats (Total: 40)
	TuTh 9:30am - 10:45am	MMH 3418

JWST419R **Special Topics in Jewish Studies; Jewish Religious Movements in Europe**

JWST419R Special Topics in Jewish Studies: Jewish Religious Movements in Europe; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST429X.

0101	Rachel Manekin	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0103

JWST478M **Readings in Modern Hebrew; Hasidism and its Opponents**

JWST478M *(PermReq)* **Readings in Modern Hebrew: Hasidism and its Opponents; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or permission of instructor. Also offered as HIST418D.

0101	Rachel Manekin	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	KEY 0117

JWST499 **Independent Study in Jewish Studies**

JWST499 *(PermReq)* **Independent Study in Jewish Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST600 **General Seminar in Jewish Studies**

JWST600 General Seminar in Jewish Studies; (3 credits) Grade Method: REG. Introduce graduate students to the fields, problems, and basic methods of research in the comtemporary practice of Jewish Studies. Consideration of chronological and historiographical problems, questions of the development of Jewish thought and literature and Jewish religious and cultural history in four rough chronological periods: Biblical Israel, Judaism in Antiquity, Judaism in the Middle Ages and Early Modern Period, and Modern Judaism.

0101	Hayim Lapin	Seats (Total: 15)
	M 6:00pm - 8:30pm	HZF 0142

JWST609 **Supervised Instruction-Practicum in Jewish Studies**

JWST609 *(PermReq)* **Supervised Instruction-Practicum in Jewish Studies; (1 credit)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST619 **Directed Readings in Jewish Studies**

JWST619 *(PermReq)* **Directed Readings in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST619F **Directed Readings in Jewish Studies; Pedagogy and Instruction: The Hebrew Classroom**

JWST619F Directed Readings in Jewish Studies: Pedagogy and Instruction: The Hebrew Classroom; (3 credits) Grade Method: REG.

0101	Avital Feuer	Seats (Total: 5)
	M 4:30pm - 7:00pm	HZF 0101

JWST648B **Readings in Jewish History; The Modernization of the Jews**

JWST648B Readings in Jewish History: The Modernization of the Jews; (3 credits) Grade Method: REG.
Also offered as HIST798B.

0101	Marsha Rozenblit	Seats (Total: 12)	
	Th 3:30pm - 6:00pm	KEY 2120	

JWST799 **Masters Thesis Research**

JWST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES Kinesiology Fall 2009

KNES100N **Physical Education Activities: Coed; Basketball (Beginning)**

KNES100N Physical Education Activities: Coed: Basketball (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. Schedule adjustment is the first week of classes only.

0001	James McBean	Seats (Total: 36)	
	Meets August 31, 2009 - October 16, 2009		
	TuTh 8:00am - 10:00am	ERC 0135	Lab
	Meets first 7 weeks.		
0002	James McBean	Seats (Total: 36)	
	Meets October 19, 2009 - December 11, 2009		
	TuTh 8:00am - 10:00am	ERC 0135	Lab
	Meets second 7 weeks.		

KNES100O **Physical Education Activities: Coed; Basketball (Intermediate)**

KNES100O Physical Education Activities: Coed: Basketball (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Matthew Miller MW 12:00pm - 2:00pm	Seats (Total: 36) ERC 0135	Lab
0002	Ronald Mower TuTh 2:00pm - 4:00pm	Seats (Total: 36) ERC 0135	Lab
0003	James McBean MW 10:00am - 12:00pm	Seats (Total: 36) ERC 0135	Lab
0004	Jonathan Horowitz TuTh 12:00pm - 2:00pm	Seats (Total: 36) ERC 0135	Lab

KNES131O **Physical Education Activities: Coed; Jogging (Intermediate)**

KNES131O Physical Education Activities: Coed: Jogging (Intermediate); (2 credits) Grade Method: REG/P-F.

0001	Matthew Miller TuTh 2:00pm - 4:00pm	Seats (Total: 40) COL 1100D	Lab

KNES131V **Physical Education Activities: Coed; Jogging (BEGINNING)**

KNES131V Physical Education Activities: Coed: Jogging (BEGINNING); (2 credits) Grade Method: REG/P-F.
For a 2-credit combination activity and lecture option, see KNES289W. Attendance is required of all students beginning the first day of class.

0001	Ghedem Solomon MW 2:00pm - 4:00pm	Seats (Total: 60) COL 1100D	Lab
0002	Jessica Oldham TuTh 12:00pm - 2:00pm	Seats (Total: 60) COL 1100D	Lab

KNES131Z **Physical Education Activities: Coed; Softball**

KNES131Z Physical Education Activities: Coed: Softball; (1 credit) Grade Method: REG/P-F.
Attendance is required of all students the first day in Ritchie Arena (1100), thereafter the class will meet on the Terp Fields. Schedule adjustment is the first week of class only.

0001	Samuel Bernstein **Meets August 31, 2009 - October 16, 2009** TuTh 10:00am - 12:00pm	Seats (Total: 24) TERP FIELD	 Lab
0002	Samuel Bernstein **Meets August 31, 2009 - October 16, 2009** TuTh 2:00pm - 4:00pm	Seats (Total: 24) TERP FIELD	 Lab
0003	Samuel Bernstein **Meets August 31, 2009 - October 16, 2009** MW 10:00am - 12:00pm	Seats (Total: 24) TERP FIELD	 Lab
0004	Bryan Clift **Meets August 31, 2009 - October 16, 2009** MW 2:00pm - 4:00pm	Seats (Total: 24) TERP FIELD	 Lab

KNES132N **Physical Education Activities: Coed; Badminton (Beginning)**

KNES132N Physical Education Activities: Coed: Badminton (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of classes only. Attendance is required of all students on the first day of class.

0001	Andrew Venezia **Meets October 19, 2009 - December 11, 2009** MW 4:00pm - 6:00pm	Seats (Total: 32) SPH 2101	 Lab

0002	Richard Chin **Meets October 19, 2009 - December 11, 2009** TuTh 4:00pm - 6:00pm	Seats (Total: 32) SPH 2101	Lab

KNES134N **Physical Education Activities: Coed; Bowling (Beginning)**

KNES134N Physical Education Activities: Coed: Bowling (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Students must pay a $30 facility fee. Bowling shoes are required (can be rented). Schedule adjustment is the first week of classes only.

0001	Jonathan Horowitz **Meets August 31, 2009 - October 16, 2009** MW 10:00am - 12:00pm	Seats (Total: 40) SSU B106	Lab
0002	James McBean **Meets August 31, 2009 - October 16, 2009** TuTh 10:00am - 12:00pm	Seats (Total: 40) SSU B106	Lab
0003	Jonathan Horowitz **Meets October 19, 2009 - December 11, 2009** MW 8:00am - 10:00am	Seats (Total: 40) SSU B106	Lab
0004	Caitlin Brauer **Meets October 19, 2009 - December 11, 2009** TuTh 10:00am - 12:00pm	Seats (Total: 40) SSU B106	Lab

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

KNES134O Physical Education Activities: Coed: Bowling (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Students must pay a $30 facility fee. Bowling shoes are required (can be rented). Schedule adjustment is the first week of classes only.

0001	Caitlin Brauer **Meets August 31, 2009 - October 16, 2009** MW 8:00am - 10:00am	Seats (Total: 40) SSU B106	 Lab
0002	Caitlin Brauer **Meets October 19, 2009 - December 11, 2009** MW 10:00am - 12:00pm	Seats (Total: 40) SSU B106	 Lab
0003	Caitlin Brauer **Meets August 31, 2009 - October 16, 2009** TuTh 8:00am - 10:00am	Seats (Total: 40) SSU B106	 Lab

KNES137N **Physical Education Activities: Coed; Golf (Beginning)**

KNES137N Physical Education Activities: Coed: Golf (Beginning); (1 credit)
Grade Method: REG/P-F.
Attendance is required the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40 facility fee directly to the golf course.

0001	Jeff Maynor **Meets August 31, 2009 - October 16, 2009** MW 10:00am - 12:00pm	Seats (Total: 25) GLF 1102	 Lab

KNES137O **Physical Education Activities: Coed; Golf (Intermediate)**

KNES137O Physical Education Activities: Coed: Golf (Intermediate); (1 credit)
Grade Method: REG/P-F.
Attendance is required the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40.00 facility fee directly to golf course.

0001	Jeff Maynor **Meets August 31, 2009 - October 16, 2009** MW 12:00pm - 2:00pm	Seats (Total: 25) GLF 1102	 Lab

KNES140A **Physical Education Activities: Coed; General Gymnastics (Beginning)**

KNES140A Physical Education Activities: Coed: General Gymnastics (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment is the first week of classes only. Attendance is required the first day of class. Meets the second seven weeks only.

0001	Scott Welsh	Seats (Total: 24)	
	Meets October 19, 2009 - December 11, 2009		
	MW 10:00am - 12:00pm	SPH 1120	

KNES140V **Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

KNES140V Physical Education Activities: Coed: Tumbling and Balancing (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule adjustment is the first week of classes only. Attendance is required beginning the first day of class. Meets the first seven weeks only.

0001	Scott Welsh	Seats (Total: 24)	
	Meets August 31, 2009 - October 16, 2009		
	MW 10:00am - 12:00pm	SPH 1120	

KNES144Q **Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

KNES144Q Physical Education Activities: Coed: Martial Arts, Karate (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Kenneth Klotz	Seats (Total: 32)	
	MW 10:00am - 12:00pm	SPH 0107	Lab
0002	Kenneth Klotz	Seats (Total: 32)	
	MW 12:00pm - 2:00pm	SPH 0107	Lab

KNES144T **Physical Education Activities: Coed; Self-Defense (Beginning)**

KNES144T Physical Education Activities: Coed: Self-Defense (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 8:00am - 10:00am	SPH 0107	

KNES152N **Physical Education Activities: Coed; Soccer (Beginning)**

KNES152N Physical Education Activities: Coed: Soccer (Beginning); (1 credit)
Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of classes only. Students are required to attend classes beginning first day of classes.

0001	Davi Mazala	Seats (Total: 24)	
	Meets August 31, 2009 - October 16, 2009		
	MW 12:00pm - 2:00pm	TERP FIELD	

KNES152O **Physical Education Activities: Coed; Soccer (Intermediate)**

KNES152O Physical Education Activities: Coed: Soccer (Intermediate); (1 credit)
Grade Method: REG/P-F.
Attendence is required beginning the first day of class. Schedule adjustment is the first week of classes only.

0001	Davi Mazala	Seats (Total: 24)	
	Meets October 19, 2009 - December 11, 2009		
	MW 12:00pm - 2:00pm	TERP FIELD	Lab

KNES154N **Physical Education Activities: Coed; Swimming (Beginning)**

KNES154N Physical Education Activities: Coed: Swimming (Beginning); (1 credit) Grade Method: REG/P-F.
Beginning Swimming is strictly for Non- swimmers. Attendence is required on the first day of class.

0001	Carrie Tupper	Seats (Total: 22)	
	MW 12:00pm - 1:15pm	ERC B0120	Lab

KNES154O **Physical Education Activities: Coed; Swimming (Intermediate)**

KNES154O Physical Education Activities: Coed: Swimming (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Amanda Delaney	Seats (Total: 22)	
	TuTh 1:00pm - 2:15pm	ERC B0120	Lab

KNES154P **Physical Education Activities: Coed; Swimming (Advanced)**

KNES154P Physical Education Activities: Coed: Swimming (Advanced); (2 credits) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Natalie Ferdinand	Seats (Total: 22)	
	MW 9:00am - 11:00am	ERC B0120	Lab

KNES154W **Physical Education Activities: Coed; Swimming/Lifeguard Training**

KNES154W Physical Education Activities: Coed: Swimming/Lifeguard Training; (2 credits) Grade Method: REG/P-F.
Prerequisite: Advanced swimming ability. Attendance on the first day of class is required of all students. Students must qualify to stay in class by passing a swim test on the first day of class.

0001	Diana Freedman	Seats (Total: 22)	
	MW 10:00am - 12:00pm	ERC B0120	Lab

KNES155N **Physical Education Activities: Coed; Tennis (Beginning)**

KNES155N Physical Education Activities: Coed: Tennis (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of classes only. Attendance is required of all students on the first day of class.

0001	Ashley Gollmann **Meets August 31, 2009 - October 16, 2009** MW 10:00am - 12:00pm	Seats (Total: 32) COL 1100D	Lab
0002	Ashley Gollmann **Meets August 31, 2009 - October 16, 2009** MW 12:00pm - 2:00pm	Seats (Total: 32) COL 1100D	Lab
0003	Ginny Scott **Meets August 31, 2009 - October 16, 2009** TuTh 10:00am - 12:00pm	Seats (Total: 32) COL 1100D	Lab

KNES155O **Physical Education Activities: Coed; Tennis (Intermediate)**

KNES155O Physical Education Activities: Coed: Tennis (Intermediate); (1 credit)
Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of class only. All students are required to attend the first day of class.

0001	Ginny Scott **Meets August 31, 2009 - October 16, 2009** TuTh 8:00am - 10:00am	Seats (Total: 32) COL 1100D	Lab
0002	Scott Welsh **Meets August 31, 2009 - October 16, 2009** TuTh 2:00pm - 4:00pm	Seats (Total: 32) COL 1100D	Lab
0003	Ashley Gollmann **Meets August 31, 2009 - October 16, 2009** MW 2:00pm - 4:00pm	Seats (Total: 32) COL 1100D	Lab

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

KNES157N Physical Education Activities: Coed: Weight Training (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. See KNES289W for a 2-credit lecture-activity class on personal fitness.

0001	Ghedem Solomon MW 10:00am - 11:15am	Seats (Total: 32) SPH 0103	Lab
0002	Jessica Oldham MW 1:00pm - 2:15pm	Seats (Total: 32) SPH 0103	Lab
0003	Kristin Cipriani MW 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	Lab
0006	Jennie Phillips TuTh 4:00pm - 5:15pm	Seats (Total: 32) SPH 0103	Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Ghedem Solomon MW 11:00am - 12:15pm	Seats (Total: 32) SPH 0103	Lab
0002	Jessica Oldham MW 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	Lab
0003	Matthew Miller TuTh 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	Lab
0004	Jonathan Horowitz TuTh 9:30am - 10:45am	Seats (Total: 32) SPH 0103	Lab

KNES157Q **Physical Education Activities: Coed; Body Building**

KNES157Q Physical Education Activities: Coed: Body Building; (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Ashley Gollmann TuTh 1:00pm - 2:15pm	Seats (Total: 32) SPH 0103	Lab
0002	Ashley Gollmann TuTh 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	Lab

KNES157R **Physical Education Activities: Coed; Circuit Training (Beginning)**

KNES157R Physical Education Activities: Coed: Circuit Training (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of class only. All students are required to attend classes beginning the first day.

0001	Ginny Scott **Meets August 31, 2009 - October 16, 2009** MW 8:00am - 10:00am	Seats (Total: 30) SPH 0103

KNES157T **Physical Education Activities: Coed; Circuit Training (Intermediate)**

KNES157T Physical Education Activities: Coed: Circuit Training (Intermediate); (1 credit) Grade Method: REG/P-F.

0001	Mallory Marshall **Meets October 19, 2009 - December 11, 2009** MW 8:00am - 10:00am	Seats (Total: 30) SPH 0103

KNES160N **Physical Education Activities: Coed; Volleyball (Beginning)**

KNES160N Physical Education Activities: Coed: Volleyball (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is first week of class only. Attendance is required of all students on the first day of class.

0001	Ginny Scott **Meets October 19, 2009 - December 11, 2009** MW 8:00am - 10:00am	Seats (Total: 36) SPH 2101

0002	Andrew Venezia **Meets October 19, 2009 - December 11, 2009** MW 2:00pm - 4:00pm	Seats (Total: 36) SPH 2101	

KNES160O **Physical Education Activities: Coed; Volleyball (Intermediate)**

KNES160O Physical Education Activities: Coed: Volleyball (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of class only. All students are required to attend the first day ofclass.

0001	Bryan Clift **Meets October 19, 2009 - December 11, 2009** MW 12:00pm - 2:00pm	Seats (Total: 36) SPH 2101	
0002	Bryan Clift **Meets October 19, 2009 - December 11, 2009** TuTh 2:00pm - 4:00pm	Seats (Total: 36) SPH 2101	

KNES161F **Physical Education Activities: Coed; Yoga for Fitness**

KNES161F Physical Education Activities: Coed: Yoga for Fitness; (1 credit) Grade Method: REG/P-F/AUD.

0001	Rosemary Lindle TuTh 3:00pm - 4:15pm	Seats (Total: 50) SPH 0107	Lab

KNES161R **Physical Education Activities: Coed; Step Aerobics (Beginning)**

KNES161R Physical Education Activities: Coed: Step Aerobics (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required beginning the first day of class. See KNES289W for a 2-credit lecture-activity class on personal fitness.

0001	Jennie Phillips MW 10:00am - 12:00pm	Seats (Total: 50) ERC 0105	Lab

0002	Jennie Phillips	Seats (Total: 50)	
	TuTh 10:00am - 12:00pm	ERC 0105	Lab

KNES183 **Movement Content for Elementary School Children**

KNES183 Movement Content for Elementary School Children; (3 credits) Grade Method: REG/P-F/AUD.
Participation in movement activities with a focus on educational dance, gymnastics and games. Observation and analysis of movement behavior in relation to specific aspects of movement. Examination of relationships among movement forms.

0101	Susan Kogut	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	SPH 0305	
	Th 12:30pm - 2:00pm	SPH 0305	Lab
	Students should meet in SPH 0305 for the first day of class.		

KNES190 **Personal Fitness and Wellness**

KNES190 Personal Fitness and Wellness; (2 credits) Grade Method: REG.
For KNES and Physical Education Majors Only. Scientific principles, concepts, and techniques designing personal fitness and/or physical activity programs.

0101	Jennie Phillips	Seats (Total: 20)	
	M 2:00pm - 2:50pm	SPH 1312	
	MW 3:00pm - 4:15pm	ERC 0105	Lab

KNES200U **Introduction to Kinesiology**

KNES200U Introduction to Kinesiology; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to freshmen KNES majors or non-majors with less than 60 credits. Not open to non-major students who have completed over 60 credits. Credit will be granted for only one of the following: KNES200 or KNES289M. Formerly KNES289M.

0101	Richard Chin	Seats (Total: 0)
	TuTh 9:30am - 10:45am	SPH 0305
0102	Amy Haufler	Seats (Total: 0)
	TuTh 9:30am - 10:45am	SPH 1301

0103	Amy Haufler TuTh 9:30am - 10:45am	Seats (Total: 0) SPH 1301	

KNES245 **Methods of Teaching Physical Education**

KNES245 Methods of Teaching Physical Education; (3 credits) Grade Method: REG.
Prerequisite: KNES183. Not open to students who have completed KNES314. Credit will be granted for only one of the following: KNES245 or KNES314. Pedagogical methods for teaching children and adolescents using direct and indirect styles and strategies. Application of educational philosophy and psychology principles to instruction, class organization and management in physical education.

0101	Richard Chin MW 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 20) SPH 0307 SPH 0307	 Lab

KNES260 **Science of Physical Activity and Cardiovascular Health**

KNES260 Science of Physical Activity and Cardiovascular Health; (3 credits) Grade Method: REG/P-F. CORE Life Science (LS) Course.
Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

0101	Sarah Witkowski MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) SPH 1303 SPH 0305	 Discussion
0102	Sarah Witkowski MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) SPH 1303 SPH 0305	 Discussion
0103	Sarah Witkowski MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) SPH 1303 SPH 0305	 Discussion

FC01	Rosemary Lindle TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) SPH 1302	

KNES282 **Basic Care and Prevention of Athletic Injuries**

KNES282 Basic Care and Prevention of Athletic Injuries; (3 credits) Grade Method: REG/P-F.
Credit will be granted for only one of the following: KNES282 or KNES381. Formerly KNES381. Theoretical and practical foundations of the prevention, treatment and rehabilitation of athletically related injuries. Topics include: physical conditioning, preventive taping, recognition of injuries, first aid and CPR.

0101	John Bush MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 20) SPH 1302 SPH 1302	 Lab
0102	John Bush MW 9:00am - 9:50am F 8:00am - 8:50am	Seats (Total: 20) SPH 1302 SPH 1302	 Lab

KNES287 **Sport and American Society**

KNES287 Sport and American Society; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

0101	David Andrews TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0102	David Andrews TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion

0103	David Andrews TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0104	David Andrews TuTh 12:30pm - 1:45pm W 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0105	David Andrews TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0106	David Andrews TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0107	David Andrews TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0108	David Andrews TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion
0109	David Andrews TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	Discussion

KNES289 **Topical Investigations**

KNES289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES289K **Topical Investigations; Hippocratic Society: Careers in Kinesiology**

KNES289K Topical Investigations: Hippocratic Society: Careers in Kinesiology; (1 credit) Grade Method: REG/P-F.

0101	Jo Zimmerman Tu 2:00pm - 2:50pm	Seats (Total: 0) SPH 0305	

KNES289L **Topical Investigations; Golf for Business and Life**

KNES289L Topical Investigations: Golf for Business and Life; (3 credits) Grade Method: REG/P-F.
Facility fee of $50 is required.

0101	Jeff Maynor TuTh 3:30pm - 5:30pm	Seats (Total: 24) SPH 0308	

KNES289W **Topical Investigations; Personal Fitness: Conditioning**

KNES289W Topical Investigations: Personal Fitness: Conditioning; (2 credits) Grade Method: REG/P-F.
One hour lecture and 2 hours per week of various fitness activities. Attendance is expected beginning the first day of class.

0101	Jennie Phillips M 2:00pm - 2:50pm MW 3:00pm - 4:15pm *Students should meet in SPH 1312 for the first day of class.*	Seats (Total: 60) SPH 1312 SPH 0103	 Lab

KNES289Z **Topical Investigations; The Kinesiology Major in the University**

KNES289Z Topical Investigations: The Kinesiology Major in the University; (1 credit) Grade Method: REG/P-F.

0101	Sandra Quinn MW 9:00am - 9:50am	Seats (Total: 0) SPH 1301	
0102	Blakely Pomietto TuTh 8:30am - 9:20am	Seats (Total: 0) SPH 0308	
0103	Colleen Farmer F 10:00am - 11:50am	Seats (Total: 0) SPH 0302	

KNES291 **Teaching for Sequential Skill Development**

KNES291 Teaching for Sequential Skill Development; (3 credits) Grade Method: REG.
Corequisite: KNES370. Introduction to motor skill teaching from novice to advanced performer. Techniques and technologies used in skill analysis, correction and feedback to enhance and assess performance.

0101	Scott Welsh TuTh 9:30am - 10:45am Tu 8:00am - 9:30am	Seats (Total: 20) SPH 0307 SPH 0307	 Lab

KNES293 **History of Sport in America**

KNES293 History of Sport in America; (3 credits) Grade Method: REG/P-F. CORE Social or Political History (SH) Course.
The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

0101	Damion Thomas MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 0) SPH 1312 SPH 0307	 Discussion
0102	Damion Thomas MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 0) SPH 1312 SPH 0307	 Discussion
0103	Damion Thomas MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 19) SPH 1312 SPH 0307	 Discussion
0104	Damion Thomas MW 10:00am - 10:50am M 3:00pm - 3:50pm	Seats (Total: 19) SPH 1312 SPH 0307	 Discussion
0105	Damion Thomas MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 19) SPH 1312 SPH 0307	 Discussion
0106	Damion Thomas MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 19) SPH 1312 SPH 0307	 Discussion

0107	Damion Thomas MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 19) SPH 1312 SPH 0307	Discussion
0108	Damion Thomas MW 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 19) SPH 1312 SPH 0307	Discussion
0109	Damion Thomas MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 19) SPH 1312 SPH 0307	Discussion
0110	Damion Thomas MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 0) SPH 1312 SPH 0307	Discussion
FC01	Michael Friedman TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) EDU 2119	

KNES293U **History of Sport in America**

KNES293U History of Sport in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.

0101	Damion Thomas MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 0) SPH 1312 SPH 0307	Discussion
0102	Damion Thomas MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 0) SPH 1312 SPH 0307	Discussion
0110	Damion Thomas MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 0) SPH 1312 SPH 0307	Discussion

KNES300 **Biomechanics of Human Motion**

KNES300 Biomechanics of Human Motion; (4 credits) Grade Method: REG/P-F.
Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121. The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Jae Kun Shim MW 5:00pm - 6:30pm W 8:00am - 9:30am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Jae Kun Shim MW 5:00pm - 6:30pm W 9:30am - 11:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	Jae Kun Shim MW 5:00pm - 6:30pm W 11:00am - 12:30pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Jae Kun Shim MW 5:00pm - 6:30pm W 12:30pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Jae Kun Shim MW 5:00pm - 6:30pm W 2:00pm - 3:30pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Jae Kun Shim MW 5:00pm - 6:30pm Th 5:00pm - 6:30pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Jae Kun Shim MW 5:00pm - 6:30pm Th 6:30pm - 8:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES300H **Biomechanics of Human Motion**

KNES300H *(PermReq)* **Biomechanics of Human Motion; (4 credits)** Grade Method: REG/P-F.
Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121.

0101	Jae Kun Shim MW 5:00pm - 6:30pm Contact instructor or department for details.	Seats (Total: 4) SPH 1312

KNES335 **Swimming Pool Management**

KNES335 Swimming Pool Management; (2 credits) Grade Method: REG/P-F. Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.

0101	Amanda Delaney TuTh 9:30am - 10:20am	Seats (Total: 35) ERC B0132

KNES350 **The Psychology of Sports**

KNES350 The Psychology of Sports; (3 credits) Grade Method: REG/P-F. An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0101	Elizabeth Brown TuTh 4:00pm - 5:20pm	Seats (Total: 120) SPH 1312
0201	Bradley Hatfield TuTh 8:00am - 9:20am	Seats (Total: 120) SPH 1312

KNES355 **Sport Management**

KNES355 Sport Management; (3 credits) Grade Method: REG/P-F. *Prerequisite: KNES287. Junior standing. Credit will be granted for only one of the following: KNES355 or KNES498M. Formerly KNES498M.* Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations.

0101	Stephen McDaniel TuTh 2:00pm - 3:15pm	Seats (Total: 35) SPH 1303

KNES355H **Sport Management**

KNES355H *(PermReq)* **Sport Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES287. Junior standing. Credit will be granted for only one of the following: KNES355 or KNES498M. Formerly KNES498M.

0101	Stephen McDaniel TuTh 2:00pm - 3:15pm	Seats (Total: 3) SPH 1303	

KNES360 **Physiology of Exercise**

KNES360 Physiology of Exercise; (3 credits) Grade Method: REG/P-F.
Prerequisites: BSCI201 and BSCI202 with a grade of C (2.0) or better; or permission of department. A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers MW 12:00pm - 12:50pm Th 8:00am - 9:30am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Marc Rogers MW 12:00pm - 12:50pm Th 9:30am - 11:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	Marc Rogers MW 12:00pm - 12:50pm Th 11:00am - 12:30pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Marc Rogers MW 12:00pm - 12:50pm Th 12:30pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Marc Rogers MW 12:00pm - 12:50pm Th 2:00pm - 3:30pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0106	Marc Rogers MW 12:00pm - 12:50pm Th 3:30pm - 5:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Marc Rogers MW 12:00pm - 12:50pm Tu 8:00am - 9:30am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	Marc Rogers MW 12:00pm - 12:50pm Tu 11:00am - 12:30pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES360H **Physiology of Exercise**

KNES360H *(PermReq)* **Physiology of Exercise; (3 credits)** Grade Method: REG/P-F.
Prerequisites: BSCI201 and BSCI202 with a grade of C (2.0) or better; or permission of department.

0101	Marc Rogers MW 12:00pm - 12:50pm Contact instructor or department for details.	Seats (Total: 6) SPH 1312	

KNES370 **Motor Development**

KNES370 Motor Development; (3 credits) Grade Method: REG/P-F.
Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

0101	Marcio Oliveira MW 1:00pm - 1:50pm M 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Marcio Oliveira MW 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0103	Marcio Oliveira MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0104	Marcio Oliveira MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0105	Marcio Oliveira MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0106	Marcio Oliveira MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0107	Marcio Oliveira MW 1:00pm - 1:50pm F 4:00pm - 4:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0108	Marcio Oliveira MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0109	Marcio Oliveira MW 1:00pm - 1:50pm M 5:00pm - 5:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Lab
0110	Marcio Oliveira MW 1:00pm - 1:50pm Tu 6:00pm - 6:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Lab

KNES370H **Motor Development**

KNES370H *(PermReq)* **Motor Development; (3 credits)** Grade Method: REG/P-F.

0101	Marcio Oliveira MW 1:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 5) SPH 1312	

KNES385 **Motor Control and Learning**

KNES385 Motor Control and Learning; (3 credits) Grade Method: REG/P-F. Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

0101	Bradley King MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Bradley King MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	Bradley King MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Bradley King MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Bradley King MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Bradley King MW 11:00am - 11:50am F 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Bradley King MW 11:00am - 11:50am W 4:00pm - 4:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	Bradley King MW 11:00am - 11:50am W 5:00pm - 5:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0109	Bradley King	Seats (Total: 16)	
	MW 11:00am - 11:50am	SPH 1312	
	F 5:00pm - 5:50pm	SPH 0124	Lab

KNES385H **Motor Control and Learning**

KNES385H *(PermReq)* **Motor Control and Learning; (3 credits)** Grade Method: REG/P-F.

0101	Bradley King	Seats (Total: 8)
	MW 11:00am - 11:50am	SPH 1312
	Contact instructor or department for details.	

KNES385U **Motor Control and Learning**
Contact department for information to register for this course.

KNES389 **Topical Investigations**

KNES389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: pPermission of instructor and department.

Contact department for information to register for this course.

KNES389E **Topical Investigations; Children's Development Clinic**

KNES389E Topical Investigations: Children's Development Clinic; (1 credit) Grade Method: REG/P-F/AUD.

0101	Paul Hahn	Seats (Total: 18)
	Sa 8:30am - 12:30pm	SPH 0103

KNES389G **Topical Investigations; Fitness Assessment and Exercise Prescription**

KNES389G Topical Investigations: Fitness Assessment and Exercise Prescription; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360

0101	Jo Zimmerman	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	SPH 0302

KNES389K **Topical Investigations; Kinesiological Science Internship**

KNES389K *(PermReq)* **Topical Investigations: Kinesiological Science Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor and department.

Contact department for information to register for this course.

KNES390 **Practicum/Internship in Teaching Physical Education**

KNES390 *(PermReq)* **Practicum/Internship in Teaching Physical Education; (3 credits)** Grade Method: REG.
Corequisite: KNES491. Teaching of children in a physical education setting. Specific emphasis on the development of a professional portfolio demonstrating understanding of curriculum development, lesson planning, progressions and evaluation of teaching performance. Departmental permission required.

0101	Susan Kogut, Ana Palla-Kane	Seats (Total: 20)
	Tu 12:30pm - 1:45pm Contact instructor or department for details.	SPH 0305

KNES440 **Psychology of Athletic Performance**

KNES440 Psychology of Athletic Performance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Junior standing. Credit will be granted for only one of the following: KNES498P, KNES689Z, or KNES440. Formerly KNES498P. Examines the psychological factors, mechanisms, and processes in athletic performance. Utilizes a social psychological approach to focus on the study and review of individual performance in both the interpersonal and social context.

0101	Seppo Iso-Ahola	Seats (Total: 35)
	M 4:00pm - 6:35pm	SPH 1303

KNES440H **Psychology of Athletic Performance**

KNES440H *(PermReq)* **Psychology of Athletic Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Junior standing. Credit will be granted for only one of the following: KNES498P, KNES689Z, or KNES440. Formerly KNES498P.

0101	Seppo Iso-Ahola	Seats (Total: 3)
	M 4:00pm - 6:35pm	SPH 1303

KNES451 **Children and Sport: A Psychosocial Perspective**

KNES451 Children and Sport: A Psychosocial Perspective; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

0101	Elizabeth Brown	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	SPH 1303

KNES451H **Children and Sport: A Psychosocial Perspective**

KNES451H *(PermReq)* **Children and Sport: A Psychosocial Perspective; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing.

0101	Elizabeth Brown	Seats (Total: 3)
	TuTh 12:30pm - 1:45pm	SPH 1303

KNES455 **Scientific Bases of Athletic Conditioning**

KNES455 Scientific Bases of Athletic Conditioning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An examination of physical fitness/athletic conditioning programs stressing the practical application of exercise physiology theory for enhancing athletic performance. Cardiovascular considerations, strength and power development, nutrition, speed, muscular endurance, environmental considerations and ergogenic aids.

0101	Espen Spangenburg MWF 10:00am - 10:50am	Seats (Total: 35) SPH 0308

KNES455H **Scientific Bases of Athletic Conditioning**

KNES455H *(PermReq)* **Scientific Bases of Athletic Conditioning; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: KNES360.

0101	Espen Spangenburg MWF 10:00am - 10:50am	Seats (Total: 3) SPH 0308

KNES457 **Managing Youth Programs: Educational, Fitness and Sport**

KNES457 Managing Youth Programs: Educational, Fitness and Sport; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: KNES287 and KNES370. Junior standing. Credit will be granted for only one of the following: KNES498Y or KNES457. Formerly KNES498Y. An examination of the basic functions involved in managing physical education, fitness, and youth sports programs. Focus on leadership skills, organizational management, and techniques for applying learned skills in a variety of organizational settings that serve the nation's youth.

0101	Marvin Scott MWF 11:00am - 11:50am	Seats (Total: 35) SPH 1303

KNES461 **Exercise and Body Composition**

KNES461 Exercise and Body Composition; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES360. Physiological concepts relating body composition factors to exercise and human performance. The scientific basis for the establishment and evaluation of conditioning programs where body composition may play an important role, such as weight control and athletics.

0101	Ben Hurley TuTh 8:00am - 9:15am	Seats (Total: 35) SPH 0302

KNES461H **Exercise and Body Composition**

KNES461H *(PermReq)* **Exercise and Body Composition; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES360.

0101	Ben Hurley	Seats (Total: 3)
	TuTh 8:00am - 9:15am	SPH 0302

KNES464 **Exercise Metabolism: Role in Health and Disease**

KNES464 Exercise Metabolism: Role in Health and Disease; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201, BSCI202, and KNES360. Recommended: BCHM261. Credit will be granted for only one of the following: KNES464 or KNES498L. Formerly KNES498L. Examines the role of metabolism in kinesiology, especially as it relates to physical inactivity, health and disease. Includes bioenergetics, substrate utilization, cell signaling, and metabolic gene expression and their impact on chronic health conditions or disease.

0101	Espen Spangenburg	Seats (Total: 35)
	MWF 8:00am - 8:50am	SPH 0308

KNES464H **Exercise Metabolism: Role in Health and Disease**

KNES464H *(PermReq)* **Exercise Metabolism: Role in Health and Disease; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201, BSCI202, and KNES360. Recommended: BCHM261. Credit will be granted for only one of the following: KNES464 or KNES498L. Formerly KNES498L.

0101	Espen Spangenburg	Seats (Total: 5)
	MWF 8:00am - 8:50am	SPH 0308

KNES466 **Graded Exercise Testing**

KNES466 Graded Exercise Testing; (3 credits) Grade Method: REG.
Prerequisite: KNES360 or permission of department. Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram.

0101	Marc Rogers TuTh 9:30am - 10:45am	Seats (Total: 35) SPH 0308

KNES466H **Graded Exercise Testing**

KNES466H *(PermReq)* **Graded Exercise Testing; (3 credits)** Grade Method: REG. *Prerequisite: KNES360 or permission of department.*

0101	Marc Rogers TuTh 9:30am - 10:45am	Seats (Total: 3) SPH 0308

KNES476 **Honors Thesis Proposal**

KNES476 *(PermReq)* **Honors Thesis Proposal; (3 credits)** Grade Method: REG. *Restricted to KNES Honors students only. Corequisite: KNES478. Senior standing. Credit will be granted for only one of the following: KNES498R or KNES476. Formerly KNES498R.* Development of honors thesis proposal based on preliminary research and literature review. Presentation of formal proposal to the thesis committee and fellow honors students.

0101	Stephen Roth F 10:00am - 10:50am Contact instructor or department for details.	Seats (Total: 10) SPH 0303

KNES478 **Honors Seminar**

KNES478 *(PermReq)* **Honors Seminar; (1 credit)** Grade Method: REG. Continuing KNES Honors Students must enroll in KNES 478 every semester they are in the program.

0101	Stephen Roth F 11:00am - 11:50am	Seats (Total: 20) SPH 0303

KNES480 **Measurement in Physical Education**

KNES480 Measurement in Physical Education; (3 credits) Grade Method: REG/P-F.

Prerequisite: MATH110. A study of the principles and techniques of educational measurement as applied to the teaching of physical education; study of the functions and techniques of measurement in the evaluation of student progress toward the objectives of physical education and in the evaluation of the effectiveness of teaching.

0101	Amy Haufler	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	SPH 0307
	Students should meet in SPH 0307 for the first day of class.	

KNES483 **Sport Marketing and Media**

KNES483 Sport Marketing and Media; (3 credits) Grade Method: REG.

Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SPH 0302

KNES483H **Sport Marketing and Media**

KNES483H *(PermReq)* **Sport Marketing and Media; (3 credits)** Grade Method: REG/AUD.

Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester.

0101	Stephen McDaniel	Seats (Total: 3)
	TuTh 11:00am - 12:15pm	SPH 0302

KNES484 **Sporting Hollywood**

KNES484 Sporting Hollywood; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES287 and KNES293. Junior standing. Credit will be granted for only one of the following: KNES484 and KNES498N. Formerly KNES498N. Popular representations of sport within the film media related to wider social discourses on bodies and the politics of various categories of subjectivity (gender, sexual, racial, class and national).

0101	Jessica Schultz	Seats (Total: 35)	
	W 4:00pm - 6:45pm	SPH 0302	

KNES484H **Sporting Hollywood**

KNES484H *(PermReq)* **Sporting Hollywood; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES287 and KNES293. Junior standing. Credit will be granted for only one of the following: KNES484 and KNES498N. Formerly KNES498N.

0101	Jessica Schultz	Seats (Total: 5)	
	W 4:00pm - 6:45pm	SPH 0302	

KNES491 **The Curriculum in Physical Education**

KNES491 The Curriculum in Physical Education; (3 credits) Grade Method: REG/P-F.
Prerequisites: KNES300, KNES360, and KNES371. Curriculum sources, principles, and planning concepts, with emphasis on using valid criteria for the selection of content for physical education programs.

0101	Marvin Scott	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	SPH 0303	
	TuTh 8:00am - 9:15am	SPH 0303	Lab
	Students should meet in SPH 0303 for the first day of class.		

KNES497 **Independent Studies Seminar**

KNES497 Independent Studies Seminar; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: A professional writing course, STAT100 or equivalent, KNES287, KNES293, KNES300, KNES350, KNES360, KNES370, KNES385, and two KNES options. 100 semester hours. Senior standing. For KNES majors only. Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction. All sections will meet in SPH 1303 on the first day of class.

0102	Bradley Hatfield Tu 4:00pm - 6:30pm	Seats (Total: 20) SPH 1303
0103	Jessica Schultz Tu 4:00pm - 6:30pm	Seats (Total: 20) SPH 0303
0104	James Hagberg Tu 9:30am - 12:00pm	Seats (Total: 20) HBK 0109

KNES498 **Special Topics in Kinesiology**

KNES498 *(PermReq)* **Special Topics in Kinesiology; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES498C **Special Topics in Kinesiology; Quantitative Methods in Cognitive Motor Behavior**

KNES498C Special Topics in Kinesiology: Quantitative Methods in Cognitive Motor Behavior; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rodolphe Gentili Th 4:00pm - 6:30pm	Seats (Total: 15) SPH 1301

KNES498F **Special Topics in Kinesiology; Exercise and Aging**

KNES498F Special Topics in Kinesiology: Exercise and Aging; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES360.

0101	Marc Rogers	Seats (Total: 28)	
	TuTh 12:30pm - 1:45pm	SPH 0303	

KNES498I **Special Topics in Kinesiology; Advanced Applied Physiology**

KNES498I Special Topics in Kinesiology: Advanced Applied Physiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES 360.

0101	Eva Chin	Seats (Total: 24)	
	Tu 2:00pm - 4:45pm	SPH 0124	

KNES498M **Special Topics in Kinesiology; Movement Disorders: Theory & Practice**

KNES498M Special Topics in Kinesiology: Movement Disorders: Theory & Practice; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES385 or KNES385H and BSCI202. Friday lab is often off-campus.

0101	Jose Contreras-Vidal	Seats (Total: 35)	
	M 4:00pm - 5:50pm	SPH 1302	
	F 10:00am - 11:50am	SPH 0305	Lab

KNES498T **Special Topics in Kinesiology; Principles and Applications of Exercise Rehabilitation**

KNES498T Special Topics in Kinesiology: Principles and Applications of Exercise Rehabilitation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: KNES300/KNES300H and KNES360/KNES360H. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Larry Plotkin	Seats (Total: 35)	
	TuTh 8:00am - 9:15am	SPH 1303	

KNES609 **Research Issues in Kinesiology**

KNES609 *(PermReq)* **Research Issues in Kinesiology; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES618 **Current Readings in Kinesiogenomics**

KNES618 Current Readings in Kinesiogenomics; (1 credit) Grade Method: REG/AUD.

0101	Stephen Roth	Seats (Total: 12)	
	F 12:00pm - 12:50pm	SPH 0303	Discussion

KNES620 **Teaching Kinesiology to Undergraduates**

KNES620 Teaching Kinesiology to Undergraduates; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: KNES620 or KNES689W. Formerly KNES689W. Analysis and application of innovative approaches to undergraduate kinesiology course design, teaching, and evaluation (e.g., problem-based learning, inquiry learning, simulations, collaboration, etc.).

0101	Jane Clark	Seats (Total: 15)	
	W 4:00pm - 6:30pm	SPH 2351C	

KNES689 **Special Problems in Kinesiology**

KNES689 *(PermReq)* **Special Problems in Kinesiology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES689E **Special Problems in Kinesiology; Movement Disorders: Theory & Practice**

KNES689E Special Problems in Kinesiology: Movement Disorders: Theory & Practice; (3 credits) Grade Method: REG/AUD.

0101	Jose Contreras-Vidal	Seats (Total: 15)	
	M 4:00pm - 5:50pm	SPH 1302	
	F 10:00am - 11:50am	SPH 0305	Lab

KNES689P **Special Problems in Kinesiology; Cultural Studies and Physical Culture**

KNES689P Special Problems in Kinesiology: Cultural Studies and Physical Culture; (3 credits) Grade Method: REG/AUD.

0101	David Andrews Tu 4:00pm - 6:45pm	Seats (Total: 15) SPH 2351C

KNES689R **Special Problems in Kinesiology; Quantitatative Methods in Cognitive Motor Behavior**

KNES689R Special Problems in Kinesiology: Quantitatative Methods in Cognitive Motor Behavior; (3 credits) Grade Method: REG/AUD.

0101	Rodolphe Gentili Th 4:00pm - 6:30pm	Seats (Total: 15) SPH 2351C

KNES689Z **Special Problems in Kinesiology; Psychology of Athletic Performance**

KNES689Z Special Problems in Kinesiology: Psychology of Athletic Performance; (3 credits) Grade Method: REG/AUD.
Also offered as KNES440.

0101	Seppo Iso-Ahola M 4:00pm - 6:35pm	Seats (Total: 35) SPH 1303

KNES692 **Cardiovascular Aspects of Exercise Physiology**

KNES692 Cardiovascular Aspects of Exercise Physiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES 360. A comprehensive consideration of the various cardiovascular factors affecting human physical performance. Emphasis on the regulation of cardiovascular functions during physical activity. Energy liberation and transfer, circulation, respiration, temperature regulation, physiology of work at altitudes, aerobic endurance training, and exercise, health and aging.

0101	James Hagberg Th 4:00pm - 6:45pm	Seats (Total: 15) SPH 2351C

KNES696 **Genetic Aspects of Health and Fitness**

KNES696 Genetic Aspects of Health and Fitness; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES360 or equivalent. Credit will be granted for only one of the following: KNES696 and KNES689Z. Formerly KNES689Z. An exploration of the impact of genetic variation on human health and fitness, with emphasis on the physiological response to exercise. Consideration of human genome biology, DNA sequence databases, methods, gene/environment interaction, and ethical issues.

0101	Stephen Roth	Seats (Total: 15)
	F 1:00pm - 3:45pm	SPH 0303

KNES789 **Advanced Seminar**

KNES789 *(PermReq)* **Advanced Seminar; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES799 **Master's Thesis Research**

KNES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

KNES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

KNES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KORA Korean Fall 2009

KORA101 **Elementary Korean I**

KORA101 *(PermReq)* **Elementary Korean I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For non-Heritage students with no background in Korean. Introduction to the Korean language. Primary emphasis on oral skills, but Hangul, the Korean alphabet, will also be introduced. Click here for more KORA course information.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 2125

KORA201 **Intermediate Korean I**

KORA201 Intermediate Korean I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: KORA102 or permission of instructor. An intermediate-level course designed for non-Heritage students. It begins the second year of instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 1120

KORA211 **Introductory Reading for Speakers of Korean I**

KORA211 Introductory Reading for Speakers of Korean I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to students who have completed two or more years of schooling in Korea. Designed to improve the language skills of students already conversant in Korean; instruction entirely in Korean; introduction in hangul; reading and writing of simple journal entries.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 2125

KORA311 **Korean for Heritage Speakers, Advanced-Low I**

KORA311 Korean for Heritage Speakers, Advanced-Low I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KORA212 or permission of instructor. Not open to students who have completed six or more years of schooling in Korea. Begins the second year of Heritage-language instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm	JMZ 2122	

KORA499 **Independent Study Korean**

KORA499 *(PermReq)* **Independent Study Korean; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC Landscape Architecture Fall 2009

LARC120 **Digital Fundamentals**

LARC120 *(PermReq)* **Digital Fundamentals; (2 credits)** Grade Method: REG.
Prerequisite: permission of LARC program. For LARC majors only. Not open to students who have completed LARC489A. Credit will be granted for only one of the following: LARC120 or LARC489A. Formerly LARC489A. An introduction to fundamental computer tools and techniques commonly used in design communication and landscape architecture practice. Non-drafting computer tools will be used to orient basic digital image capture, manipulation, and presentation formatting.

0101	Wannapa Siriamnuaypas	Seats (Total: 20)	
	M 2:00pm - 2:50pm	PLS 2137	
	M 3:00pm - 5:30pm	PLS 2137	Lab
0102	Wannapa Siriamnuaypas	Seats (Total: 20)	
	W 2:00pm - 2:50pm	PLS 2137	
	W 3:00pm - 5:30pm	PLS 2137	Lab

LARC141 **Design Fundamentals Studio**

LARC141 *(PermReq)* **Design Fundamentals Studio; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC140 and permission of LARC program. Recommended: LARC263 (concurrently). Sophomore standing. For LARC majors only. Fundamentals of basic design focusing on creative problem solving associated with landscape architecture.

0101	Ann Anderson MW 2:00pm - 2:50pm MW 3:00pm - 4:50pm	Seats (Total: 15) PLS 1172 PLS 2152	 Lab
0102	Ann Anderson TuTh 2:00pm - 3:15pm TuTh 3:30pm - 4:50pm	Seats (Total: 15) PLS 1162 PLS 2154	 Lab

LARC160 **Introduction to Landscape Architecture**

LARC160 Introduction to Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

0101	Jack Sullivan MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1158	 Discussion
0102	Jack Sullivan MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 PLS 1172	 Discussion
0103	Jack Sullivan MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 20) MMH 1400 PLS 1158	 Discussion
0104	Jack Sullivan MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1158	 Discussion

0105	Jack Sullivan MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1172	 Discussion
0106	Jack Sullivan MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 PLS 1172	 Discussion
0107	Jack Sullivan MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1162	 Discussion
0108	Jack Sullivan MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 PLS 1164	 Discussion

LARC263 **History of Landscape Architecture**

LARC263 History of Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD.
A survey of landscape architecture history from the ancient Western civilizations to the twentieth century with consideration of parallel developments in the Eastern World, European Africa and the Americas.

0101	Sonja Duempelmann TuTh 9:30am - 10:45am	Seats (Total: 35) ARC 1103	

LARC320 **Principles of Site Engineering**

LARC320 *(PermReq)* **Principles of Site Engineering; (3 credits)** Grade Method: REG.
Prerequisite: LARC221 and permission of LARC program. Corequisite: LARC340. Junior standing. For LARC majors only. Also offered as PLSC320. Formerly LARC364. The study and application of landscape construction principles as applied to grading, drainage, site layout, storm water management, and vehicular and pedestrian circulation.

0101	John Leonard TuTh 8:00am - 9:15am Th 9:30am - 10:45am	Seats (Total: 20) PLS 1115 PLS 2150	 Lab

LARC340 **Site Planning and Design Studio**

LARC340 *(PermReq)* **Site Planning and Design Studio; (5 credits)** Grade Method: REG.
Prerequisites: LARC221, LARC240, and LARC265. Corequisite: LARC320. Junior standing. For LARC majors only. An examination of the influence of landscape character and site features (natural and cultural) on landscape architecture, architecture and planning through application in the studio setting.

0101	Dennis Nola MW 1:00pm - 1:50pm MW 2:00pm - 4:50pm	Seats (Total: 17) PLS 1172 PLS 2150	 Lab

LARC389 **Internship in Landscape Architecture**

LARC389 Internship in Landscape Architecture; (3 credits) Grade Method: REG.

0101	Steven Cohan M 9:00am - 9:50am Contact instructor or department for details.	Seats (Total: 15) PLS 1119
0102	Steven Cohan W 9:00am - 9:50am	Seats (Total: 15) PLS 1119

LARC420 **Professional Practice**

LARC420 *(PermReq)* **Professional Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC321. For LARC majors only. An introduction to and comparative study of the professional concerns of design firms. Focus on planning, legal, ethical, marketing and management considerations of interdisciplinary practices.

0101	Dennis Nola Th 9:30am - 12:15pm	Seats (Total: 20) PLS 0104	 Lab

LARC440 **Urban Studio Design**

LARC440 *(PermReq)* **Urban Studio Design; (5 credits)** Grade Method: REG.
Prerequisites: LARC321, LARC340, and LARC341. For LARC majors only. The landscape architect's role within the interdisciplinary urban design process, focusing on urban site design issues. Pedestrian friendly site design and the future of sustainable development will be studied.

0101	Sonja Duempelmann	Seats (Total: 17)	
	TuTh 1:00pm - 1:50pm	PLS 2148	
	TuTh 2:00pm - 4:50pm	PLS 2148	Lab

LARC450 **Environmental Resources**

LARC450 *(PermReq)* **Environmental Resources; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENST200 or permission of department. A review of ecosystems and an examination of planning strategies for preservation, conservation, management and development of sensitive natural and cultural landscape resources in the mid-Atlantic region. Two all day Friday field trips are required. Dates to be announced later.

0101	David Myers	Seats (Total: 23)
	MW 10:00am - 10:50am	PLS 1113
	F 10:00am - 10:50am	PLS 1113
	Contact instructor or department for details.	

LARC470 **Landscape Architecture Seminar**

LARC470 *(PermReq)* **Landscape Architecture Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: LARC321 and LARC341. Corequisite: LARC440. Senior standing. For LARC majors only. A combination of self-directed study, seminar, and lecture formats. An introduction to aspects of research methods, critical analysis, and proposal writing with a focus on urban and community design.

0101	Kelly Fleming	Seats (Total: 20)
	Tu 9:30am - 12:15pm	PLS 0104

LARC489L **Special Topics in Landscape Architecture; History of Landscape Architecture**

LARC489L *(PermReq)* **Special Topics in Landscape Architecture: History of Landscape Architecture; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Sonja Duempelmann	Seats (Total: 5)	
	TuTh 9:30am - 10:45am	Location: TBA	

LARC499 **Independent Studies in Landscape Architecture**

LARC499 *(PermReq)* **Independent Studies in Landscape Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC620 **Graphic Tools for Landscape Representation**

LARC620 Graphic Tools for Landscape Representation; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Corequisite: LARC640. This course integrates digital amd analog methods of communication and provides an introduction to computer tools and techniques commonly used in landscape architecture practice. Non-drafting computer tools will be used to orient basic digital image capture, manipulation, and presentation formatting. Also includes techniques and application of various media for graphic communication associated with landscape architecture.

0101	Wannapa Siriamnuaypas	Seats (Total: 10)	
	TuTh 10:00am - 10:50am	PLS 2156	
	TuTh 11:00am - 12:00pm	PLS 2156	Lab

LARC640 **Graduate Studio I**

LARC640 Graduate Studio I; (5 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Corequisite: LARC620. Principles and techniques of design as applied to shaping the landscape; developing concepts in visual thinking, environmental awareness, and design intervention through studio exercises and projects.

0101	Jack Sullivan	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 2156	
	TuTh 2:00pm - 4:50pm	PLS 2156	Lab

LARC642 **Graduate Studio III**

LARC642 Graduate Studio III; (5 credits) Grade Method: REG/AUD.
Prerequisite: LARC641 and permission of department. Corequisite: LARC670. A focus on the interaction of landscape science (hydrology, geology, etc.) with the necessities and mechanisms of human settlements (transportation, economics, etc.) emphasizing innovative and forward thinking solutions to urbanization and ecological problems. It will apply this knowledge to landscape analysis, recreational planning and design, and community development, emphasizing resource management, spatial organization, landscape character, and the physical and social structure of community services. This course will be required for both Trach 1 and Track 2 students.

0101	Kelly Fleming, David Myers	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 2142	
	TuTh 2:00pm - 4:50pm	PLS 2142	Lab

LARC671 **Landscape Architecture Research Methods**

LARC671 Landscape Architecture Research Methods; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Investigation and discussion of broad scope of research methods and the development of landscape design and planning research techniques and skills. The urban environment will be viewed primarily as a social and psychological environment, with concern for who uses these environments and the conflicts that can arise between user groups.

0101	David Myers	Seats (Total: 15)
	Tu 9:30am - 12:15pm	PLS 2156A

LARC721 **Landscape Construction Methods and Materials**

LARC721 Landscape Construction Methods and Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: LARC720 and permission of department. Basic methods of constructing landscapes and manipulatiing the appropriate plant and inorganicc materials for the creation of ecologically sustainable environments for human use. An examination of the use, properties, and detailing of materials used in landscape construction.

0101	Arlie Ison	Seats (Total: 10)
	Th 8:00am - 9:15am	PLS 2154
	Th 9:30am - 10:45am	PLS 2154

LARC799 **Master's Thesis Research**

LARC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LASC Certificate in Latin American Studies — Fall 2009

LASC100 **Challenges of the Cities**

LASC100 Challenges of the Cities; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: LASC100 or URSP100.
Contemporary urban patterns, trends and problems. Major urban issues, such as: population change, the economy, land use, housing, neighborhood development, fiscal and unemployment crises, and social, environmental, and political controversies of metropolitan areas. International urbanization patterns and policies.

0101	William Hanna Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 25) TYD 0117 TYD 0117	 Discussion
0102	William Hanna Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 25) TYD 0117 EDU 0206	 Discussion
0103	William Hanna Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 25) TYD 0117 EDU 0114	 Discussion
0104	William Hanna Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 25) TYD 0117 EDU 2101	 Discussion

LASC234 **Issues in Latin American Studies I**

LASC234 Issues in Latin American Studies I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN234 and PORT234. Credit will be granted for only one of the following: LASC234 or SPAN234 or PORT234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Sandra Cypess	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	PLS 1113

LASC234H **Issues in Latin American Studies I**

LASC234H Issues in Latin American Studies I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN234 and PORT234. Credit will be granted for only one of the following: LASC234 or SPAN234 or PORT234.

0101	Sandra Cypess	Seats (Total: 5)
	TuTh 11:00am - 12:15pm	PLS 1113

LASC448A **Special Topics in Latin American Studies; The Aztecs**

LASC448A Special Topics in Latin American Studies: The Aztecs; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
An examination of the history, culture, social structure, economics, religion and philosophy of the Aztecs of central Mexico, ranging from the from the founding of their capital city, Tenochtitlan, in 1325 to its fall in 1521.

Contact department for information to register for this course.

LASC448L **Special Topics in Latin American Studies; Law and Identities**

LASC448L Special Topics in Latin American Studies: Law and Identities; (3 credits) Grade Method: REG.
Also offered as AASP499L, AAST498D, JWST419D, LGBT448L, and WMST498C.

0101	Sherri Beatty-Arthur	Seats (Total: 30)
	Tu 3:00pm - 5:30pm	KEY 0123

LASC448M **Special Topics in Latin American Studies; Race, Empire, and Revolution in Latin America**

LASC448M Special Topics in Latin American Studies: Race, Empire, and Revolution in Latin America; (3 credits) Grade Method: REG.
Also offered as HIST429Z.

0101	Marcela Echeverri	Seats (Total: 20)
	W 3:00pm - 5:30pm	WDS 1114

LATN Latin Fall 2009

LATN101 **Elementary Latin I**

LATN101 Elementary Latin I; (4 credits) Grade Method: REG/P-F/AUD.
A student who has two units of Latin in high school may register for LATN101 for the purposes of review, but ordinarily not for credit.

0101	Kenneth Tuite	Seats (Total: 25)
	MWF 10:00am - 10:50am	MTH B0429
	F 9:00am - 9:50am	MTH B0429

LATN102 **Elementary Latin II**

LATN102 Elementary Latin II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LATN101 at UMCP or permission of department.

0101	John Woods	Seats (Total: 20)
	MWF 10:00am - 10:50am	MMH 2407A
	W 9:00am - 9:50am	MMH 2407A

LATN120 **Intensive Latin**

LATN120 Intensive Latin; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Not open for credit to students with credit for LATN102. Elements of Latin grammar and vocabulary; elementary reading. The first year's study of Latin compressed into a single semester.

0101	Judith Hallett	Seats (Total: 22)
	MWF 10:00am - 10:50am	WDS 1131
	F 9:00am - 9:50am	WDS 1131

LATN201 **Intermediate Latin**

LATN201 Intermediate Latin; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: LATN102 at UMCP or permission of department. Formerly LATN203.

0101	Kenneth Tuite	Seats (Total: 20)
	MW 2:00pm - 3:50pm	JMZ 0118

LATN303 **Petronius**

LATN303 Petronius; (3 credits) Grade Method: REG/P-F/AUD.
Reading and analysis of Petronius' Satyricon with an emphasis on the literary climate of the Neronian Age and on the emergence of the novel as a literary genre.

0101	Hugh Lee	Seats (Total: 20)
	MW 3:30pm - 4:45pm	MMH 2407A

LATN415 **Vergil's Aeneid**

LATN415 Vergil's Aeneid; (3 credits) Grade Method: REG/P-F/AUD.
Formerly LATN305. Vergil's Aeneid: readings of selections in Latin and of the entire epic in English translation along with critical essays.

0101	Gregory Staley	Seats (Total: 15)
	W 5:00pm - 7:40pm	JMZ 0125

LATN488 **Latin Readings**

LATN488 Latin Readings; (3 credits) Grade Method: REG/P-F/AUD.

0101	Judith Hallett	Seats (Total: 15)
	M 5:00pm - 7:40pm	JMZ 2120

LATN499 **Independent Study in Latin Language and Literature**

LATN499 *(PermReq)* **Independent Study in Latin Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN605 **Vergil**

LATN605 Vergil; (3 credits) Grade Method: REG/AUD.
A study of Vergil's development as a literary artist and Augustan poet through readings in the Eclogues, Georgics, and Aeneid.

0101	Gregory Staley	Seats (Total: 10)
	W 5:00pm - 7:40pm	JMZ 0125

LATN620 **Archaic Latin**

LATN620 Archaic Latin; (3 credits) Grade Method: REG/AUD.
An investigation of both the evolving Latin language and the emerging literary genres of the late third and second centuries B.C.

0101	Judith Hallett	Seats (Total: 10)
	M 5:00pm - 7:40pm	JMZ 2120

LATN699 **Independent Studies in Latin Literature**

LATN699 *(PermReq)* **Independent Studies in Latin Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN799 **Master's Thesis Research**

LATN799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC Library Science Fall 2009

LBSC601 **Users and Information Context**

LBSC601 Users and Information Context; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Nature and roles of information and information institutions; information behavior; studying information behavior; information policy; the information professions.

0101	Peter Liebscher Class time/details on ELMs	Seats (Total: 20) ONLINE
0201	Nancy Roderer Th 5:30pm - 8:15pm	Seats (Total: 30) PLS 1113
SG01	John Bertot M 6:00pm - 8:45pm	Seats (Total: 30) SG3 2203

LBSC605 **Archival Principles, Practices, and Programs**

LBSC605 Archival Principles, Practices, and Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Introduction to all aspects of archival work, including records management, appraisal, and selection, arrangement and description, preservation, electronic records, reference and outreach. Elements of an archival program. The role and work of archivists. Issues, conditions, and needs in the field.

0101	Jean Dryden W 10:00am - 12:45pm	Seats (Total: 30) HBK 0103
0201	Bruce Ambacher W 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109

LBSC635 **Management and Administration for the Information Professional**

LBSC635 Management and Administration for the Information Professional; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed LBSC630. Management and administrative theory and principles and their implications and applications to information organizations.

0101	Thomas Phelps Tu 5:30pm - 8:15pm	Seats (Total: 30) HBK 0123

0201	Ping Wang Th 2:00pm - 4:45pm	Seats (Total: 30) HBK 0105
0301	Ann Prentice Class time/details on ELMs	Seats (Total: 22) ONLINE

LBSC640 **Library Media Specialists as Information Professionals**

LBSC640 Library Media Specialists as Information Professionals; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of department and instructor required. Credit will be granted for only one of the following: LBSC 640 or LBSC 643. Formerly LBSC643.
Foundational concepts in information studies and in school library media programs and services. Current and evolving educational systems; roles and functions of library media specialists within them.

0101	Mega Subramaniam W 5:30pm - 8:15pm	Seats (Total: 22) EAB 0307
SG01	Ann Weeks W 5:30pm - 8:15pm	Seats (Total: 22) SG3 2131

LBSC645 **Literature and Materials for Children**

LBSC645 Literature and Materials for Children; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Survey of literature and other materials for children and youth. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

0101	Maria Salvadore M 5:30pm - 8:15pm	Seats (Total: 30) HBK 0115

LBSC650 **Information Access Services**

LBSC650 Information Access Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Information needs, search mediation, search strategies, reference services, information access issues, collection development.

0101	Derek Hansen Th 9:30am - 12:15pm	Seats (Total: 30) HBK 2119
0201	Soo Kim Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 0105
0301	Karen Hartman Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0123
SG01	Soo Kim Th 5:30pm - 8:15pm	Seats (Total: 30) SG3 2203

LBSC670 **Organization of Information**

LBSC670 Organization of Information; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Functions and evaluation of document and information retrieval systems; analysis and representation of data, information, knowledge, language, and text; metadata for the control of documents and other objects.

0101	Yan Qu Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 0103
0201	Dagobert Soergel M 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105
0301	Yan Qu Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0103
SG01	Katy Lawley Tu 5:30pm - 8:15pm	Seats (Total: 30) SG3 2225

LBSC680 **Principles of Records and Information Management**

LBSC680 Principles of Records and Information Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Principles and practices of managing records in the context of information management programs in government, corporate and other institutional settings. Includes access; legal requirements; digital technologies; and creation, administration, appraisal, and retention and disposition of records.

0101	Jean Dryden M 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109

LBSC690 **Information Technology**

LBSC690 Information Technology; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Human-centered design issues, implementation and technical issues, and application and sociotechnical issues of information technology; emerging information technologies.

0101	Dave Yates M 5:30pm - 8:15pm	Seats (Total: 30) HBK 1108
0201	Allison Druin M 1:00pm - 3:45pm	Seats (Total: 30) HBK 2119

LBSC702 **User Instruction**

LBSC702 User Instruction; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Critical analysis of the rationale, content, and processes of user instruction in library and information settings.

0101	Trudi Hahn Th 2:00pm - 4:45pm	Seats (Total: 22) HBK 2119

LBSC705 **Infomation for Decision-Making**

LBSC705 Seminar in Information for Decision-Making; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. The use of information in organizational and individual decision- making. Managers' behavior in using information, differences between the private and public sectors, and the roles of information professionals and information systems in decision-making.

0101	Vedat Diker Class time/details on ELMs	Seats (Total: 20) ONLINE

LBSC708J **Special Topics in Information Studies; Consumer Health Informatics**

LBSC708J Special Topics in Information Studies: Consumer Health Informatics; (3 credits) Grade Method: REG/AUD.

0101	Bo Xie	Seats (Total: 16)
	W 5:30pm - 8:15pm	HBK 4115

LBSC708T **Special Topics in Information Studies; Transformational Information Technologies**

LBSC708T Special Topics in Information Studies: Transformational Information Technologies; (3 credits) Grade Method: REG/AUD.

0101	Kenneth Fleischmann	Seats (Total: 20)
	Tu 6:00pm - 8:45pm	HBK 1108

LBSC709 **Independent Study**

LBSC709 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Signed independent study form must be presented to CLIS Admissions Office.

Contact department for information to register for this course.

LBSC735 **Legal Issues in Managing Information**

LBSC735 Legal Issues in Managing Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Legal issues related to collecting, maintaining, and providing access to information materials. Includes ownership, copyright, privacy, freedom of information, and related issues in archives, libraries and other settings.

0101	Paul Jaeger	Seats (Total: 30)
	Th 5:30pm - 8:15pm	HBK 0105

LBSC742 **Collaborative Instructional Design and Evaluation**

LBSC742 Collaborative Instructional Design and Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisites: permission of department. Library media specialists' collaborative role in instruction. Systematic design, development, and evaluation of instructional strategies and products for learning.

0101	Mega Subramaniam Th 5:30pm - 8:15pm	Seats (Total: 25) HBK 0108

LBSC744 **Field Study in School Library Media Programs**

LBSC744 Field Study in School Library Media Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC 741 and LBSC 742; or permission of instructor. Practicum and seminar in library media programs at the elementary, middle, and secondary levels.

0101	Ann Weeks Sa 9:30am - 12:15pm	Seats (Total: 16) HBK 4113

LBSC750 **Information Access in Electronic Environments**

LBSC750 Information Access in Electronic Environments; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 650. Analysis of information problems, search strategy development, evaluation of electronic resources, command language comparisons, evaluation of search results.

0101	Soo Kim Tu 5:30pm - 8:15pm	Seats (Total: 25) HBK 0105

LBSC752 **Information Access in the Arts**

LBSC752 Information Access in the Arts; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 650. Research methods, practice, information needs, information structure, and information sources and services in the visual arts (for example, fine arts, decorative arts, architecture, photography) and the performing arts (for example, theater, film, music, dance, and costume).

0101	Kari Kraus W 5:30pm - 8:15pm	Seats (Total: 30) HBK 0105

LBSC767 **Access to Federal Government Information**

LBSC767 Access to Federal Government Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 650. Research methods, information needs, information production and structure, information sources and services, and selection policies related to federal government information.

0101	Deborah Klein W 10:00am - 12:45pm	Seats (Total: 30) HBK 2119

LBSC785 **Documentation, Collection, and Appraisal of Records**

LBSC785 Documentation, Collection, and Appraisal of Records; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC 605 or permission of instructor. Development of documentation strategies and plans; collecting policies to guide programs in acquiring records; theories and techniques for appraising records to identify those with continuing value.

0101	Bruce Ambacher Tu 12:30pm - 3:15pm	Seats (Total: 30) HBK 2119

LBSC788 **Seminar in Archives, Records, and Information Management**

LBSC788 Seminar in Archives, Records, and Information Management; (3 credits) Grade Method: REG/AUD.

0101	Allen Weinstein W 1:00pm - 3:45pm	Seats (Total: 14) HBK 0109

LBSC793 **Database Design**

LBSC793 Database Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 690. Principles of user-oriented database design. Requirements analysis. Data modelling. Data integrity and security and multi-user databases. Implementing an information system using a database management system (DBMS).

0101	Dagobert Soergel Tu 2:00pm - 4:45pm	Seats (Total: 25) HBK 1108

LBSC799 **Master's Thesis Research**

LBSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC801 **Introduction to Research**

LBSC801 Introduction to Research; (1 credit) Grade Method: REG/AUD.
For doctoral students in Information Studies; other students by permission of instructor only. Overview of the research process in information studies form designing and conducting a study to disseminating results. Introduction to proposal writing and funding sources.

0101	Paul Jaeger W 2:00pm - 3:00pm	Seats (Total: 15) HBK 4113

LBSC888 **Doctoral Seminar; Doctoral Seminar**

LBSC888 Doctoral Seminar: Doctoral Seminar; (3 credits) Grade Method: REG/AUD.

0101	Jimmy Lin W 10:00am - 12:45pm	Seats (Total: 15) HBK 4113

LBSC898 **Pre-Candidacy Research**

LBSC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC899 **Doctoral Dissertation Research**

LBSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LGBT Lesbian Gay Bisexual Transgender Studies — Fall 2009

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

LGBT200 Introduction to Lesbian, Gay, Bisexual, and Transgender Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Not open to students who have completed WMST298E. Credit will be granted for only one of the following: LGBT200 or WMST298E. Formerly WMST298E. An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	JV Sapinoso	Seats (Total: 70)
	TuTh 9:30am - 10:45am	SQH 1120

LGBT265 **Introduction to Lesbian, Gay, Bisexual, and Transgender Literature**

LGBT265 Introduction to Lesbian, Gay, Bisexual, and Transgender Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL265. Not open to students who have completed ENGL265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Andre Lorde, Adrienne Rich.

0101	Damion Clark	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SQH 1105

LGBT350 **Lesbian, Gay, Bisexual, and Transgender People and Communication**

LGBT350 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender People and Communication; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LGBT200 (formerly: WMST298E) and permission of program. Study of differences, stereotypes, and values distinguishing LGBT people and of effective means of communicating such differences to non-LGBT people. Emphasis on contemporary LGBT life and on the development of didactic skills. Preparation and presentation of forums on LGBT people; facilitation of workshops in various outreach locations (residence halls, Greek system, classes).

0101	Luke Jensen	Seats (Total: 10)
	W 3:30pm - 5:10pm	COL 0101
	Contact instructor or department for details.	

LGBT359G **Special Topics in Lesbian, Gay, Bisexual, and Transgender Literatures; Love, Sex and Poetry in the Long 19th Century**

LGBT359G Special Topics in Lesbian, Gay, Bisexual, and Transgender Literatures: Love, Sex and Poetry in the Long 19th Century; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL359G.

0101	Jason Rudy	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TWS 0205

LGBT386 **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

LGBT386 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 9 credits in LGBT studies and permission of program. Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

Contact department for information to register for this course.

LGBT448E **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Asian American Sexualities**

LGBT448E Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AAST498E.

0101	Gerald Maa	Seats (Total: 40)
	MW 12:30pm - 1:45pm	TYD 2109

LGBT448F **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; LGBT Families**

LGBT448F Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: LGBT Families; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Emily Mann	Seats (Total: 35)
	MW 11:00am - 12:15pm	TYD 0111

LGBT448L **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Law and Identities**

LGBT448L Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Law and Identities; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AASP499L, AAST498D, JWST419D, LASC448L, and WMST498C.

0101	Sherri Beatty-Arthur	Seats (Total: 30)
	Tu 3:00pm - 5:30pm	KEY 0123

LGBT494 **Lesbian Communities and Differences**

LGBT494 Lesbian Communities and Differences; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One course in Women's Studies, preferably WMST200. Also offered as WMST494. Not open to students who have completed WMST494. Credit will be granted for only one of the following: WMST494 or LGBT494. The meanings of lesbian communities across many lines of difference. Using lesbian feminists of the 1970s as a starting point, we will look both back and forward in history, tracing changes and exploring the meanings of these in their social and historical contexts.
Also offered as WMST494.

0101	Katie King Th 3:00pm - 5:30pm	Seats (Total: 35) TYD 2106	

LGBT499 **Independent Study**

LGBT499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING Linguistics Fall 2009

LING200 **Introductory Linguistics**

LING200 Introductory Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses. Not open to students who have completed HESP120. Credit will be granted for only one of the following: HESP120 or LING200.
An exploration of the nature of human language, designed for non-majors. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Margaret Antonisse MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) LEF 2205 KEY 0102	 Discussion
0102	Margaret Antonisse MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) LEF 2205 PHY 1402	 Discussion
0103	Margaret Antonisse MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) LEF 2205 ARM 0110	 Discussion

0104	Margaret Antonisse MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 30) LEF 2205 HBK 1108	 Discussion
0105	Margaret Antonisse MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) LEF 2205 COL 3111	 Discussion
0106	Margaret Antonisse MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 HBK 1112	 Discussion

LING240 **Language and Mind**

LING240 Language and Mind; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Required for LING majors and recommended for students in related fields.. The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0101	Tonia Bleam MWF 11:00am - 11:50am	Seats (Total: 50) WDS 1114

LING311 **Syntax I**

LING311 Syntax I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.

0101	Tonia Bleam TuTh 2:00pm - 3:15pm	Seats (Total: 25) MMH 0108

LING321 **Phonology I**

LING321 Phonology I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

0101	Margaret Antonisse	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MMH 3418

LING330 **Historical Linguistics**

LING330 Historical Linguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING200 or LING240. Recommended: LING321 and LING311. A traditional presentation of language change. Language types and families, sounds and writing systems, grammatical categories. Reconstruction of proto-languages by internal and comparative methods. Recommended: LING311 and LING321.

0101	Margaret Antonisse	Seats (Total: 25)
	TuTh 9:30am - 10:45am	KEY 0124

LING350 **Philosophy of Language**

LING350 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHIL170 or PHIL173 or PHIL371; or LING311. The nature and function of language and other forms of symbolism from a philosophical perspective.

0101	Alexander Williams	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SQH 2117

LING410 **Grammar and Meaning**

LING410 Grammar and Meaning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING 311 or permission of instructor. The basic notions of semantic theory: reference, quantification, scope relations, compositionality, thematic relations, tense and time, etc. The role these notions play in grammars of natural languages. Properties of logical form and relationship with syntax.

0101	Valentine Hacquard	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	LEF 1221

LING419C **Topics in Syntax; Towards a Unified Account of Syntactic Movment**

LING419C Topics in Syntax: Towards a Unified Account of Syntactic Movment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. Click here for more information.

0101	Shiti Malhotra	Seats (Total: 15)
	MW 3:00pm - 4:15pm	ARM 0101

LING444 **Child Language Acquisition**

LING444 Child Language Acquisition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: LING311.* Examines language acquisition in infancy and early childhood: the nature of children's linguistic representations and how these develop naturally. Role of (possible) innate linguistic structure and interaction of such structure with experience. Evaluation of methods and results of current and classic research leading to contemporary models of language development.

0101	Jeffrey Lidz	Seats (Total: 20)
	TuTh 9:30am - 10:45am	SQH 1123

LING499 **Directed Studies in Linguistics**

LING499 *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING499C **Directed Studies in Linguistics; Seminar on Islands**

LING499C Directed Studies in Linguistics: Seminar on Islands; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. This class investigates what's wrong with this sentence (Which team do you wish that will beat Duke?) and other similar anomalies known as syntactic 'islands'. Students learn to understand and scutinize theoretical literature in the syntax, semantics and processing of islands and will design, conduct, and analyze data from their own experimental study.

0101	Johannes Jurka TuTh 11:00am - 12:15pm	Seats (Total: 10) MMH 3418	

LING499H **Directed Studies in Linguistics**

LING499H *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING610 **Syntactic Theory**

LING610 Syntactic Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING 312. Intensive introduction to transformational syntax.

0101	Howard Lasnik Tu 2:00pm - 5:00pm Th 11:00am - 12:00pm	Seats (Total: 15) ARM 0102 LEF 1222	 Discussion

LING620 **Phonological Theory**

LING620 Phonological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING 322. Topics in current phonological theory, as they relate to data from various languages. Segmental and prosodic analysis. Autosegmental theory, metrical theory, etc.

0101	William Idsardi TuTh 9:30am - 11:00am	Seats (Total: 15) ARM 0121

LING640 **Psycholinguistics**

LING640 Psycholinguistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Core graduate course in psycholinguistics, covering leading theoretical approaches and experimental methods in language acquisition, language processing, and neurolinguistics.

0101	Colin Phillips MW 12:00pm - 1:30pm	Seats (Total: 20) SKN 1115

LING660 **Introduction to Semantics**

LING660 Introduction to Semantics; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of instructor.* Basic concepts and methods of contemporary semantic theory including basic set theory, elementary propositional and predicate calculus, the structure of predicates and propositions, quantification binding. Prepares students for study of more advanced topics in semantics.

0101	Paul Pietroski	Seats (Total: 15)
	MW 10:00am - 11:30am	PLS 1168

LING689 **Independent Study**

LING689 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING689C **Independent Study; Seminar in Semantics**

LING689C Independent Study: Seminar in Semantics; (1-3 credits) Grade Method: REG/AUD.

0101	Alexander Williams	Seats (Total: 15)
	Th 3:00pm - 5:30pm	ARM 0101

LING698 **Directed Study; Seminar**

LING698 Directed Study: Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Howard Lasnik	Seats (Total: 10)
	F 2:00pm - 4:00pm	MMH 1304

LING723 **Computational Linguistics I**

LING723 Computational Linguistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC421 or equivalent; or permission of instructor. Also offered as CMSC723. Not open to students who have completed LING645. Formerly LING645.* Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantic interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.

0101	Jimmy Lin	Seats (Total: 40)
	W 4:00pm - 6:30pm	CSI 2107

LING798 **Research Papers in Linguistics**

LING798 *(PermReq)* **Research Papers in Linguistics; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

LING799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING819 **Seminar in Syntactic Theory**

LING819 Seminar in Syntactic Theory; (3 credits) Grade Method: REG/AUD.

0101	Juan Uriagereka	Seats (Total: 15)
	W 3:00pm - 6:00pm	LEF 1221

LING848 **Seminar in Computational Linguistics**

LING848 Seminar in Computational Linguistics; (3 credits) Grade Method: REG/AUD.

0101	Philip Resnik	Seats (Total: 15)
	W 1:30pm - 4:00pm	MMH 1108B

LING879 **Seminar in Semantics; Seminar in Semantics**

LING879 Seminar in Semantics: Seminar in Semantics; (3 credits) Grade Method: REG/AUD.

0101	Alexander Williams	Seats (Total: 15)
	Th 3:00pm - 5:30pm	Location: TBA

LING889 **Directed Research**

LING889 Directed Research; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING895 **Doctoral Research Paper**

LING895 Doctoral Research Paper; (6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING896 **Research Paper in Minor Area**

LING896 Research Paper in Minor Area; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: LING 895. This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 **Pre-Candidacy Research**

LING898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

LING899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MAIT Masters in the Mathematics of Advanced Industrial Tech — Fall 2009

MAIT623 **Modern Mathematical Methods of Signal and Image Processing I**

MAIT623 Modern Mathematical Methods of Signal and Image Processing I; (3 credits) Grade Method: REG/AUD.
Prerequisite: Knowledge of advanced calculus and applications or permission of instructor. Introduction to current signal/image processing techniques, including wavelets and frames, in the context of applied and numerical harmonic analysis. Topics include time-frequency and time-scale representations, sub-band filterbanks, and applications to compression and denoising. Also offered as AMSC623.

0101	Glenn Easley	Seats (Total: 20)
	Th 6:00pm - 8:45pm	MTH 3206

MAIT679A **Special Topics in Mathematics of Advanced Industrial Technology**
Contact department for information to register for this course.

MAIT679B **Special Topics in Mathematics of Advanced Industrial Technology; Wavelet and multispectral methods for biomedical imaging**

MAIT679B Special Topics in Mathematics of Advanced Industrial Technology: Wavelet and multispectral methods for biomedical imaging; (3 credits) Grade Method: REG/AUD.

0101	Martin Ehler	Seats (Total: 15)
	M 6:00pm - 8:45pm	MTH 3206

MAIT679F **Special Topics in Mathematics of Advanced Industrial Technology; Theory of Frames and Applications**

MAIT679F Special Topics in Mathematics of Advanced Industrial Technology: Theory of Frames and Applications; (3 credits) Grade Method: REG/AUD.
Also offered as MATH648F.

0101	John Benedetto Tu 4:00pm - 6:45pm	Seats (Total: 30) MTH 0304

MAIT699 **Independent Masters Project**

MAIT699 Independent Masters Project; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH Mathematics Fall 2009

MATH003 **Developmental Mathematics**

MATH003 Developmental Mathematics; (3 credits) Grade Method: S-F. *Recommended: for students who plan to take MATH110, MATH111, MATH113, MATH115 or STAT100, but are not currently qualified to do so.* MATH003 is a review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student. There is a special fee for this class in addition to the regular tuition charge.

0101	Santuria Orsetti MWF 8:00am - 9:50am	Seats (Total: 35) CEN 0200
0102	Santuria Orsetti MWF 8:00am - 9:50am	Seats (Total: 17) COL 0104
0201	Justin Malin MWF 10:00am - 11:50am	Seats (Total: 35) CEN 0200
0202	Justin Malin MWF 10:00am - 11:50am	Seats (Total: 17) COL 0104

0301	Justin Malin MWF 12:00pm - 1:50pm	Seats (Total: 35) CEN 0200
0302	Justin Malin MWF 12:00pm - 1:50pm	Seats (Total: 17) COL 0104
0601	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 35) CEN 0200
0602	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 17) COL 0104
0701	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 35) CEN 0200
0702	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 17) COL 0104
FC01	Jack Baker MW 6:00pm - 8:45pm *Restricted to students in Freshmen Connection. There is no additional fee for Freshmen Connection Sections of MATH 003.*	Seats (Total: 34) CEN 0200
FC02	Matthew Konicki TuTh 6:00pm - 8:45pm *Restricted to students in Freshmen Connection. There is no additional fee for Freshmen Connection Sections of MATH 003.*	Seats (Total: 34) CEN 0200

MATH010 Algebra for MATH 110

MATH 010, MATH 011, MATH 013 and MATH 015 are preparation courses for MATH 110, MATH 111, MATH 113 and MATH 115 respectively, and meet only for the first 5 weeks of the semester. Special sections of MATH 110, MATH 111, MATH 113 and MATH 115 will begin at this point and the student will automatically be enrolled in the course, provided he/she passes the Placement Exam for that course at the end of the 5 week period. If the Placement Exam is not passed at this point, the student will be placed in MATH 003. There will be a fee for these courses, the same as for MATH003. For the students who move into MATH 003 from MATH 010, MATH 011, MATH 013 or MATH 015, no new fee will be charged.

MATH010 Algebra for MATH 110; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH110. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH110, the same semester, which also meets 5 days per week. Continuation in MATH110 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH010 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH110 or MATH003, both of which are graded.

1101	Elizabeth Shearn MTuWThF 10:00am - 10:50am	Seats (Total: 30) ARM 0105
1201	Elizabeth Shearn MTuWThF 11:00am - 11:50am	Seats (Total: 30) ARM 0105

MATH011 **Algebra for MATH 111**

MATH011 Algebra for MATH 111; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH111. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH111, the same semester, which also meets 5 days per week. Continuation in MATH 111 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions, Venn diagrams, permutations and combinations. MATH011 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH111 (or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Ben Bezejouh MTuWThF 8:00am - 8:50am	Seats (Total: 25) ARM 0116
1201	Marguerite Jarchow MTuWThF 9:00am - 9:50am	Seats (Total: 33) ARM 0116

MATH013 **Algebra for MATH 113**

MATH013 Algebra for MATH 113; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.

1101	Santuria Orsetti MTuWThF 10:00am - 10:50am	Seats (Total: 30) ARM 0116
1201	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 30) ARM 0116

1301	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 30) ARM 0116
1501	Debra Franklin MTuWThF 2:00pm - 2:50pm	Seats (Total: 30) ARM 0116

MATH015 **Algebra for MATH 115**

MATH015 Algebra for MATH 115; (3 credits) Grade Method: REG/P-F/AUD. *There is a special fee for this class in addition to the regular tuition charge.* A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Stephen Kcenich MTuWThF 8:00am - 8:50am	Seats (Total: 36) ARM 0119
1301	Esther David MTuWThF 1:00pm - 1:50pm	Seats (Total: 30) MTH B0429

MATH110 **Elementary Mathematical Models**

MATH110 Elementary Mathematical Models; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility. Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences. Not open to students who have completed MATH 140, MATH 220, or any MATH or STAT course for which MATH 140 or MATH 220 is a prerequisite. Credit will be granted for only one of the following: MATH110, MATH112, or MATH113. Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications. All sections will require the use of a TI graphics calculator. Instructor will use a TI83 or TI83+ calculator.

0101	Julie Daberkow MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0405
0102	Ran Cui MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0403
0201	Julie Daberkow MWF 12:00pm - 12:50pm	Seats (Total: 33) MTH 0105
0301	Ran Cui MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0409
FC01	Bo Li MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) MTH 0401

MATH111 **Introduction to Probability**

MATH111 Introduction to Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility or MATH110. Not open to students majoring in mathematics, engineering or the physical sciences. Not open to students who have completed STAT100 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0101	Eric Hamilton MWF 1:00pm - 1:50pm	Seats (Total: 32) MTH 0307	
0102	Jong Lee MWF 1:00pm - 1:50pm	Seats (Total: 32) MTH 0106	
0201	Eric Hamilton MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0307	
0202	Jong Lee MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0106	
0311	Marguerite Jarchow MWF 8:00am - 8:50am Tu 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH B0427	 Discussion
0312	Marguerite Jarchow MWF 8:00am - 8:50am Tu 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0407	 Discussion
0321	Marguerite Jarchow MWF 8:00am - 8:50am Tu 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH B0427	 Discussion
0322	Marguerite Jarchow MWF 8:00am - 8:50am Tu 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0407	 Discussion

0331	Marguerite Jarchow MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0332	Marguerite Jarchow MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0407	Discussion
0341	Marguerite Jarchow MWF 8:00am - 8:50am Tu 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0342	Marguerite Jarchow MWF 8:00am - 8:50am Tu 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH 0407	Discussion
0411	William Schildknecht MWF 12:00pm - 12:50pm Th 9:00am - 9:50am	Seats (Total: 30) ARM 0135 PHY 1219	Discussion
0412	William Schildknecht MWF 12:00pm - 12:50pm Th 9:00am - 9:50am	Seats (Total: 30) ARM 0135 PHY 4220	Discussion
0421	William Schildknecht MWF 12:00pm - 12:50pm Th 10:00am - 10:50am	Seats (Total: 30) ARM 0135 PHY 1219	Discussion
0422	William Schildknecht MWF 12:00pm - 12:50pm Th 10:00am - 10:50am	Seats (Total: 30) ARM 0135 PHY 0405	Discussion
0431	William Schildknecht MWF 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0106	Discussion
0432	William Schildknecht MWF 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0304	Discussion

0441	William Schildknecht MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 MTH B0427	Discussion
0442	William Schildknecht MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 PHY 0405	Discussion
FC01	Neung Ha TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) MTH B0421	
FC02	Marguerite Jarchow TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) MTH 0307	
FC03	Douglas Galagate TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) MTH 0106	

MATH112 **College Algebra with Applications and Trigonometry**

MATH112 College Algebra with Applications and Trigonometry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department, based on math placement exam or MATH003 performance. Not open to students who have completed MATH140 or MATH220 or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: (i) MATH112, or (ii) MATH113, or (iii) (MATH110 and MATH115). Graphs and applications of elementary functions, including polynomial, rational, exponential and logarithmic functions. Systems of equations. Triangle trigonometry. The course differs from MATH113 only in that it covers a substantial amount of trigonometry in place of material on matrices, linear programming, sequences and series. MATH112 is strongly recommended for students in Architecture, Landscape Architecture, Life Sciences, and those needing PHYS141.

0101	Walter Ray-Dulany MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0201	
0102	Hana Ueda MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0306	

0103	Adrienne Norwood MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0409
0201	Walter Ray-Dulany MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0201
0202	Hana Ueda MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0306
0203	Adrienne Norwood MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0409

MATH113 **College Algebra with Applications**

MATH113 College Algebra with Applications; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH110. Not open to students who have completed MATH140, MATH220, or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: MATH112; or MATH113; or (MATH110 and MATH115). Preparation for MATH220. Graphs and applications of elementary functions including: polynomial, rational, exponential and logarithmic functions. Systems of linear equations and linear inequalities used to solve representative problems in linear programming. Matrices and matrix operations including inverse. Sequences.

0101	Bryant Angelos MWF 10:00am - 10:50am	Seats (Total: 32) MTH 0304
0102	Zi Ding MWF 10:00am - 10:50am	Seats (Total: 32) MTH 0106
0201	Jacqueline Stone MWF 11:00am - 11:50am	Seats (Total: 30) ARM 0119
0202	Elif Kuz MWF 11:00am - 11:50am	Seats (Total: 32) MTH 0106

0301	Lucaci Vaczlavik MWF 3:00pm - 3:50pm	Seats (Total: 32) MTH 0304	
0302	Hisham Talukder MWF 3:00pm - 3:50pm	Seats (Total: 32) MTH 0306	
0401	Lucaci Vaczlavik MWF 4:00pm - 4:50pm	Seats (Total: 32) MTH 0304	
0402	Hisham Talukder MWF 4:00pm - 4:50pm	Seats (Total: 32) MTH 0306	
0511	Jacqueline Stone MWF 10:00am - 10:50am Th 8:00am - 9:15am	Seats (Total: 30) ARM 0135 MTH 0405	Discussion
0512	Jacqueline Stone MWF 10:00am - 10:50am Th 8:00am - 9:15am	Seats (Total: 30) ARM 0135 MTH 0401	Discussion
0521	Jacqueline Stone MWF 10:00am - 10:50am Th 9:30am - 10:45am	Seats (Total: 30) ARM 0135 MTH 0405	Discussion
0522	Jacqueline Stone MWF 10:00am - 10:50am Th 9:30am - 10:45am	Seats (Total: 30) ARM 0135 MTH 0401	Discussion
0531	Jacqueline Stone MWF 10:00am - 10:50am Th 11:00am - 12:15pm	Seats (Total: 30) ARM 0135 MTH 0405	Discussion
0532	Jacqueline Stone MWF 10:00am - 10:50am Th 11:00am - 12:15pm	Seats (Total: 30) ARM 0135 MTH 0401	Discussion
FC01	Bo Li MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) MTH B0425	

FC02	Douglas Galagate MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) MTH 0103
FC03	Bin Zheng MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) MTH 0403

MATH115 **Precalculus**

MATH115 Precalculus; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH113. Not open to students who have completed MATH140 or any MATH or STAT course for which MATH140 is a prerequisite. Credit will be granted for only one of the following: MATH113 or MATH115. Preparation for MATH220 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus. Preparation for MATH220 or MATH140. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+ calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00.

0101	Nicholas Cotton MWF 8:00am - 8:50am	Seats (Total: 32) MTH 0303
0102	Arijit Sehanobish MWF 8:00am - 8:50am	Seats (Total: 32) MTH 0201
0103	Maxx Cho MWF 8:00am - 8:50am	Seats (Total: 32) MTH 0304
0104	Stephen Balady MWF 8:00am - 8:50am	Seats (Total: 32) ARM 0117
0201	Nicholas Cotton MWF 9:00am - 9:50am	Seats (Total: 32) MTH 0303
0202	Arijit Sehanobish MWF 9:00am - 9:50am	Seats (Total: 32) MTH 0201

0203	Maxx Cho MWF 9:00am - 9:50am	Seats (Total: 32) MTH 0304	
0204	Stephen Balady MWF 9:00am - 9:50am	Seats (Total: 32) ARM 0117	
FC01	Esther David MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) MTH 0303	
FC02	Martin Levin MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) MTH 0307	

MATH130 **Calculus I for the Life Sciences**

MATH130 Calculus I for the Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH 112, MATH113, or MATH115; or equivalent; or permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the MATHEMATICS PLACEMENT EXAM. Restricted to students with majors in College of Chemical and Life Sciences. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH130, MATH140, or MATH220. Basic ideas of differential integral calculus, with emphasis on elementary techniques and applications to the life sciences.

0111	Casey Cremins TuTh 11:00am - 12:15pm MW 8:00am - 8:50am	Seats (Total: 28) ARM 0135 MTH B0421	Discussion
0112	Casey Cremins TuTh 11:00am - 12:15pm MW 8:00am - 8:50am	Seats (Total: 28) ARM 0135 MTH B0427	Discussion
0121	Casey Cremins TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 28) ARM 0135 MTH B0421	Discussion

0122	Casey Cremins TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 28) ARM 0135 MTH B0429	Discussion
0131	Casey Cremins TuTh 11:00am - 12:15pm MW 12:00pm - 12:50pm	Seats (Total: 28) ARM 0135 MTH B0425	Discussion
0132	Casey Cremins TuTh 11:00am - 12:15pm MW 12:00pm - 12:50pm	Seats (Total: 28) ARM 0135 MTH B0427	Discussion
0141	Casey Cremins TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 28) ARM 0135 MTH B0425	Discussion
0142	Casey Cremins TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 28) ARM 0135 MTH B0427	Discussion
0211	Casey Cremins TuTh 8:00am - 9:15am MW 8:00am - 8:50am	Seats (Total: 30) ARM 0131 BPS 1238	Discussion
0221	Casey Cremins TuTh 8:00am - 9:15am MW 9:00am - 9:50am	Seats (Total: 30) ARM 0131 BPS 1238	Discussion
0231	Casey Cremins TuTh 8:00am - 9:15am MW 11:00am - 11:50am	Seats (Total: 30) ARM 0131 BPS 1234	Discussion
0241	Casey Cremins TuTh 8:00am - 9:15am MW 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 BPS 1234	Discussion

MATH131 Calculus II for Life Sciences

MATH131 Calculus II for Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C (2.0) or better in MATH130 or MATH140 or equivalent. Restricted to students with majors in College of Chemical & Life Sciences. Credit will be granted for only one of the following: MATH131, MATH141, or MATH221.
Continuation of MATH130, including an introduction to autonomous differential equations, probability (includin\g conditional probability and the normal and binomial distributions), and statistical reasoning (including confidence intervals). Alongside the mathematical concepts will be applications in biology.

0111	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH B0421	Discussion
0112	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 10:00am - 10:50am	Seats (Total: 25) ARM 0131 MTH B0425	Discussion
0121	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH B0421	Discussion
0122	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 11:00am - 11:50am	Seats (Total: 25) ARM 0131 MTH B0425	Discussion
0131	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 2:00pm - 2:50pm	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0141	Justin Wyss-Gallifent TuTh 9:30am - 10:45am WF 3:00pm - 3:50pm	Seats (Total: 30) ARM 0131 MTH B0427	Discussion

MATH140 Calculus I

MATH140 Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and a satisfactory score on the MATHEMATICS PLACEMENT EXAM, or MATH115 with a grade of C or better. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. There will be 3 one-hour lectures and 2 eighty-minute workshops each week with enhanced assistance and support for students. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00.

0111	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 22) PHY 1412 MTH 0102	Discussion
0112	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 22) PHY 1412 MTH 0302	Discussion
0113	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 22) PHY 1412 MTH 1311	Discussion
0121	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 22) PHY 1412 MTH 0102	Discussion
0122	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 22) PHY 1412 MTH 0302	Discussion
0123	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 22) PHY 1412 MTH B0429	Discussion

0131	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 10) PHY 1412 MTH 0102	Discussion
0132	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) PHY 1412 MTH 1308	Discussion
0211	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0126 MTH 0411	Discussion
0212	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0126 MTH 0302	Discussion
0213	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0126 MTH 0303	Discussion
0221	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0126 MTH 0411	Discussion
0222	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0126 MTH 0302	Discussion
0223	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 12:30pm - 1:50pm	Seats (Total: 22) ARM 0126 MTH 0405	Discussion
0231	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0126 MTH 0411	Discussion
0232	Kasso Okoudjou MWF 9:00am - 9:50am TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0126 MTH 0405	Discussion

0311	Suleyman Ulusoy	Seats (Total: 22)	
	MWF 10:00am - 10:50am Tu 11:00am - 12:20pm Th 11:00am - 12:20pm	ARM 0126 MTH 0305 MTH 0407	 Discussion Discussion
0312	Suleyman Ulusoy	Seats (Total: 22)	
	MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	ARM 0126 MTH 0403	 Discussion
0313	Suleyman Ulusoy	Seats (Total: 22)	
	MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	ARM 0126 MTH 0104	 Discussion
0321	Suleyman Ulusoy	Seats (Total: 22)	
	MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	ARM 0126 MTH 0307	 Discussion
0322	Suleyman Ulusoy	Seats (Total: 22)	
	MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	ARM 0126 MTH 0403	 Discussion
0323	Suleyman Ulusoy	Seats (Total: 22)	
	MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	ARM 0126 MTH 0102	 Discussion
0331	Suleyman Ulusoy	Seats (Total: 22)	
	MWF 10:00am - 10:50am TuTh 2:00pm - 3:20pm	ARM 0126 MTH 0407	 Discussion
0332	Suleyman Ulusoy	Seats (Total: 22)	
	MWF 10:00am - 10:50am TuTh 2:00pm - 3:20pm	ARM 0126 MTH 0403	 Discussion
0411	Frances Gulick	Seats (Total: 22)	
	MWF 2:00pm - 2:50pm TuTh 9:30am - 10:50am	ARM 0126 MTH 0104	 Discussion
0412	Frances Gulick	Seats (Total: 22)	
	MWF 2:00pm - 2:50pm TuTh 9:30am - 10:50am	ARM 0126 MTH 0303	 Discussion

0421	Frances Gulick MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0126 MTH 0409	Discussion
0422	Frances Gulick MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0126 MTH 0201	Discussion
0423	Frances Gulick MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 22) ARM 0126 MTH 0101	Discussion
0431	Frances Gulick MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0126 MTH 0401	Discussion
0432	Frances Gulick MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 22) ARM 0126 MTH 0102	Discussion
FC01	Edgar Lopez-Escobar MTuWTh 3:00pm - 3:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) EGL 1204	
FC02	Earnest Harrison MTuWTh 3:00pm - 3:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ARM 0117	
FC03	Enver Ozdemir MW 3:00pm - 3:50pm TuTh 3:00pm - 3:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) CHM 0127 CHM 0124	

MATH140H Calculus I

MATH140H Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and a satisfactory score on the MATHEMATICS PLACEMENT EXAM, or MATH115 with a grade of C or better. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220. For general honors students only. Offered fall only. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 TI-83+, or TI-86 calculator.

0101	Edgar Lopez-Escobar MF 12:00pm - 12:50pm W 12:00pm - 1:50pm	Seats (Total: 27) MTH B0423 MTH B0423	
0301	Peter Wolfe MTuWTh 9:00am - 9:50am	Seats (Total: 27) MTH 1313	

MATH140U **Calculus I**

MATH140U Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and a satisfactory score on the MATHEMATICS PLACEMENT EXAM, or MATH115 with a grade of C or better. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220.

0131	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 0) PHY 1412 MTH 0102	 Discussion

MATH141 **Calculus II**

MATH141 Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH140 or equivalent; or a grade of B or better in MATH 130 and permission of an undergraduate advisor in the math department. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00.

0111	McBlaine Boyle MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 29) ARM 0131 MTH 0409	 Discussion
0121	McBlaine Boyle MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 29) ARM 0131 MTH 0409	 Discussion
0122	McBlaine Boyle MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0106	 Discussion
0132	McBlaine Boyle MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 26) ARM 0131 MTH 0409	 Discussion
0141	McBlaine Boyle MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 26) ARM 0131 MTH B0429	 Discussion
0142	McBlaine Boyle MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0131 EGL 1202	 Discussion
0211	David Hamilton MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 29) ARM 0131 MTH 0306	 Discussion

0212	David Hamilton MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 29) ARM 0131 MTH B0429	Discussion
0221	David Hamilton MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 29) ARM 0131 MTH 0306	Discussion
0222	David Hamilton MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 29) ARM 0131 MTH B0423	Discussion
0231	David Hamilton MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 29) ARM 0131 MTH 0306	Discussion
0241	David Hamilton MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 29) ARM 0131 MTH 0306	Discussion
0251	David Hamilton MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 29) ARM 0131 MTH 0306	Discussion
0261	David Hamilton MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 29) ARM 0131 MTH 0306	Discussion
0311	Wojciech Czaja MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 ARM 0121	Discussion
0312	Wojciech Czaja MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 29) ARM 0131 MTH 0304	Discussion
0321	Wojciech Czaja MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 ARM 0103	Discussion

0322	Wojciech Czaja MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 29) ARM 0131 MTH 0304	Discussion
0331	Wojciech Czaja MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 29) ARM 0131 MTH 0307	Discussion
0332	Wojciech Czaja MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 29) ARM 0131 MTH B0427	Discussion
0341	Wojciech Czaja MWF 1:00pm - 1:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 29) ARM 0131 MTH 0307	Discussion
0342	Wojciech Czaja MWF 1:00pm - 1:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 29) ARM 0131 MTH 0302	Discussion
FC01	Djiby Fall MTuWTh 3:00pm - 3:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) MTH B0429	

MATH141H **Calculus II**

MATH141H Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH140 or equivalent; or a grade of B or better in MATH 130 and permission of an undergraduate advisor in the math department. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. For general honors students only. TI graphics calculator required. Instructor will use a TI-83, TI-83+, or TI-86 calculator.

0101	C Warner WF 1:00pm - 1:50pm M 1:00pm - 2:50pm	Seats (Total: 30) MTH 0407 MTH 0407	

0201	Horst Winkelnkemper MF 2:00pm - 2:50pm W 2:00pm - 3:50pm	Seats (Total: 33) MTH 0103 MTH 0103	

MATH141U **Calculus II**

MATH141U Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH140 or equivalent; or a grade of B or better in MATH 130 and permission of an undergraduate advisor in the math department. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221.

0141	McBlaine Boyle MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 0) ARM 0131 MTH B0429	 Discussion

MATH212 **Elements of Numbers and Operations**

MATH212 Elements of Numbers and Operations; (3 credits) Grade Method: REG/AUD.
Prerequisite: One year of college preparatory algebra. Restricted to elementary, early childhood, and special education majors. Not open to students who have completed MATH210 with a grade of C- or better. Credit will be granted for only one of the following: MATH210 or MATH212. Topics from algebra and number theory designed to provide insight into arithmetic: sets, functions, number systems, number theory; operations with natural numbers, integers, rational numbers; linear equations.

0101	Whitney Johnson MWF 8:00am - 8:50am	Seats (Total: 26) EDU 2101
0201	Edward Clifford MWF 9:00am - 9:50am	Seats (Total: 26) MTH 1308
0301	Edward Clifford MWF 10:00am - 10:50am	Seats (Total: 27) MTH 1308
0501	Karen McLaren MWF 1:00pm - 1:50pm	Seats (Total: 27) MTH 1308

MATH213 **Elements of Geometry and Measurement**

MATH213 Elements of Geometry and Measurement; (3 credits) Grade Method: REG/AUD.

Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH213.

Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

0101	Terence Long MWF 8:00am - 8:50am	Seats (Total: 30) MTH B0425
0201	Terence Long MWF 9:00am - 9:50am	Seats (Total: 30) MTH B0425

MATH214 **Elements of Probability and Statistics**

MATH214 Elements of Probability and Statistics; (3 credits) Grade Method: REG/AUD.

Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH214.

Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

0101	Joshua Himmelsbach MWF 9:00am - 9:50am	Seats (Total: 30) MTH 0401
0201	Joshua Himmelsbach MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0401

MATH220 **Elementary Calculus I**

MATH220 Elementary Calculus I; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the MATHEMATICS PLACEMENT EXAM, or MATH112, or MATH113, or MATH115. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220.
Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0111	Michelle Hugue MW 3:00pm - 4:15pm Th 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH 0201	 Discussion
0112	Michelle Hugue MW 3:00pm - 4:15pm Th 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH 0305	 Discussion
0121	Michelle Hugue MW 3:00pm - 4:15pm Th 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH 0201	 Discussion
0122	Michelle Hugue MW 3:00pm - 4:15pm Th 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH 0305	 Discussion
0131	Michelle Hugue MW 3:00pm - 4:15pm Th 10:00am - 10:50am	Seats (Total: 28) ARM 0131 MTH 0201	 Discussion
0141	Michelle Hugue MW 3:00pm - 4:15pm Th 11:00am - 11:50am	Seats (Total: 28) ARM 0131 ARM 0121	 Discussion
0211	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 MTH 0305	 Discussion
0212	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 MTH 0106	 Discussion

0213	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 MTH B0429	Discussion
0221	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 MTH 0305	Discussion
0222	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 MTH 0106	Discussion
0223	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 MTH B0425	Discussion
0231	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 28) ARM 0131 MTH 0305	Discussion
0241	Timothy Pilachowski MWF 2:00pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 28) ARM 0131 MTH 0305	Discussion
0311	Christopher Shaw TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 28) ARM 0135 MTH 0305	Discussion
0312	Christopher Shaw TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 28) ARM 0135 MTH 0201	Discussion
0321	Christopher Shaw TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 28) ARM 0135 MTH 0305	Discussion
0322	Christopher Shaw TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 28) ARM 0135 MTH 0201	Discussion

0331	Christopher Shaw TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 28) ARM 0135 MTH 0305	Discussion
0341	Christopher Shaw TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 28) ARM 0135 MTH 0305	Discussion
0411	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH B0429	Discussion
0421	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH B0427	Discussion
0431	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 29) ARM 0126 MTH 0411	Discussion
0432	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0441	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 28) ARM 0126 MTH 0101	Discussion
0442	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 28) ARM 0126 MTH 0306	Discussion
0451	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0461	Patrick Fitzpatrick TuTh 11:00am - 12:15pm F 3:00pm - 3:50pm	Seats (Total: 28) ARM 0126 MTH 0302	Discussion

0511	Christopher Shaw TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 0106	Discussion
0521	Christopher Shaw TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 0106	Discussion
0531	Christopher Shaw TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 MTH 0302	Discussion
0532	Christopher Shaw TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0541	Christopher Shaw TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 29) ARM 0126 MTH 0302	Discussion
0542	Christopher Shaw TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 28) ARM 0126 MTH 0401	Discussion
0551	Christopher Shaw TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 28) ARM 0126 MTH 0405	Discussion
0561	Christopher Shaw TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 28) ARM 0126 MTH 0405	Discussion
FC01	Enver Ozdemir MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) MTH 0106	
FC02	Djiby Fall MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) MTH 0303	

FC03	Martin Levin MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) MTH 0201	

MATH221 **Elementary Calculus II**

MATH221 Elementary Calculus II; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: MATH220, MATH 130 or MATH140, or equivalent. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0111	Timothy Pilachowski MWF 11:00am - 11:50am Th 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0121	Timothy Pilachowski MWF 11:00am - 11:50am Th 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0131	Timothy Pilachowski MWF 11:00am - 11:50am Th 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0141	Timothy Pilachowski MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0211	Tobias von Petersdorff MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 MTH 0106	Discussion
0221	Tobias von Petersdorff MWF 12:00pm - 12:50pm Tu 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 MTH 0106	Discussion

0231	Tobias von Petersdorff MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 28) ARM 0131 MTH 0305	Discussion
0241	Tobias von Petersdorff MWF 12:00pm - 12:50pm Tu 3:00pm - 3:50pm	Seats (Total: 28) ARM 0131 MTH 0305	Discussion

MATH240 **Introduction to Linear Algebra**

MATH240 Introduction to Linear Algebra; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH 131 with a grade of C or better, or MATH141 or equivalent. Credit will be granted for only one of the following: MATH240, MATH341, MATH400, or MATH461. Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0111	John Goodrick MWF 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 32) ARM 0126 MTH B0421	Discussion
0112	John Goodrick MWF 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 MTH B0423	Discussion
0121	John Goodrick MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 32) ARM 0126 MTH B0421	Discussion
0122	John Goodrick MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH B0423	Discussion
0131	John Goodrick MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH 0409	Discussion
0132	John Goodrick MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 32) ARM 0126 MTH 0101	Discussion

0141	John Goodrick MWF 12:00pm - 12:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 30) ARM 0126 MTH 0409	 Discussion
0142	John Goodrick MWF 12:00pm - 12:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 32) ARM 0126 MTH 0103	 Discussion

MATH241 **Calculus III**

MATH241 Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. All sections will use MATLAB.

0111	Dionisios Margetis MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 PHY 4220	 Discussion
0112	Dionisios Margetis MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0303	 Discussion
0121	Dionisios Margetis MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 HBK 0105	 Discussion
0122	Dionisios Margetis MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0403	 Discussion
0131	Dionisios Margetis MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0403	 Discussion
0132	Dionisios Margetis MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0304	 Discussion

0141	Dionisios Margetis MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH B0421	 Discussion
0142	Dionisios Margetis MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 ARM 0119	 Discussion
0211	Manoussos Grillakis MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0307	 Discussion
0212	Manoussos Grillakis MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0101	 Discussion
0221	Manoussos Grillakis MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0307	 Discussion
0222	Manoussos Grillakis MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0304	 Discussion
0231	Manoussos Grillakis MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0307	 Discussion
0232	Manoussos Grillakis MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 JMP 2202	 Discussion
0241	Manoussos Grillakis MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0307	 Discussion
0242	Manoussos Grillakis MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0135 JMP 2202	 Discussion

0311	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH B0423	Discussion
0312	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 JMP 1202	Discussion
0321	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 11:00am - 11:50am	Seats (Total: 24) ARM 0135 MTH B0423	Discussion
0322	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0135 JMP 1202	Discussion
0331	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 JMP 2202	Discussion
0332	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 ARM 0103	Discussion
0341	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0135 JMP 2202	Discussion
0342	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0135 MTH 0103	Discussion

MATH241H **Calculus III**

MATH241H Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. For general honors students only.

0101	Aaron Magid WF 12:00pm - 12:50pm M 12:00pm - 1:50pm	Seats (Total: 34) MTH B0421 CHE 2118	

0201	Jens Christensen MF 1:00pm - 1:50pm W 1:00pm - 2:50pm	Seats (Total: 32) ARM 0105 ARM 0105	

MATH241U **Calculus III**

MATH241U Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340.

0321	Jonathan Rosenberg MWF 1:00pm - 1:50pm TuTh 11:00am - 11:50am	Seats (Total: 0) ARM 0135 MTH B0423	 Discussion

MATH246 **Differential Equations for Scientists and Engineers**

MATH246 Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. All sections will use MATLAB.

0111	Charles Levermore TuTh 11:00am - 12:15pm W 8:00am - 8:50am	Seats (Total: 25) ARM 0131 MTH 0305	 Discussion
0112	Charles Levermore TuTh 11:00am - 12:15pm W 8:00am - 8:50am	Seats (Total: 25) ARM 0131 MTH 0307	 Discussion
0121	Charles Levermore TuTh 11:00am - 12:15pm W 9:00am - 9:50am	Seats (Total: 25) ARM 0131 MTH 0305	 Discussion
0122	Charles Levermore TuTh 11:00am - 12:15pm W 9:00am - 9:50am	Seats (Total: 25) ARM 0131 MTH 0307	 Discussion

0131	Charles Levermore TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 25) ARM 0131 MTH 0305	Discussion
0132	Charles Levermore TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 25) ARM 0131 MTH 0307	Discussion
0141	Charles Levermore TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) ARM 0131 MTH 0305	Discussion
0142	Charles Levermore TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) ARM 0131 MTH 0307	Discussion
0211	Radu Balan TuTh 2:00pm - 3:15pm M 8:00am - 8:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion
0212	Radu Balan TuTh 2:00pm - 3:15pm M 8:00am - 8:50am	Seats (Total: 25) ARM 0126 MTH 0306	Discussion
0221	Radu Balan TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion
0222	Radu Balan TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 25) ARM 0126 MTH 0403	Discussion
0231	Radu Balan TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion
0232	Radu Balan TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0303	Discussion

0241	Radu Balan TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 25) ARM 0126 MTH 0305	 Discussion
0242	Radu Balan TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 25) ARM 0126 MTH 0303	 Discussion

MATH246H **Differential Equations for Scientists and Engineers**

MATH246H Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341.

0101	Paul Wright TuTh 11:00am - 12:15pm	Seats (Total: 34) JMP 1109

MATH299A **Selected Topics in Mathematics**

MATH299A *(PermReq)* **Selected Topics in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH299B **Selected Topics in Mathematics; Putnam Express**

MATH299B Selected Topics in Mathematics: Putnam Express; (1 credit) Grade Method: REG/P-F/AUD.

0101	Brian Hunt W 4:00pm - 5:30pm	Seats (Total: 20) MTH 0102

MATH310 **Introduction to Analysis**

MATH310 Introduction to Analysis; (3 credits) Grade Method: REG.
Prerequisite: MATH141. Corequisite: MATH241. Math majors may not use this course to satisfy an upper-level requirement. For MATH majors only. To prepare students for MATH410 Advanced Calculus. To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0101	Kathryn Truman MWF 11:00am - 11:50am	Seats (Total: 32) PHY 0405

MATH340 **Multivariable Calculus, Linear Algebra and Differential Equations I (Honors)**

MATH340 *(PermReq)* **Multivariable Calculus, Linear Algebra and Differential Equations I (Honors); (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH140; MATH141; and permission of department. Credit will be granted for only one of the following: MATH241 or MATH340. First semester of the MATH340-341 sequence which gives a unified and enriched treatment of multivariable calculus, linear algebra and ordinary differential equations, with supplementary material from subjects such as differential geometry, Fourier series and calculus of variations. Students completing MATH340-341 will have covered the material of MATH240, MATH241, and MATH246, and may not also receive credit for MATH240, MATH241 or MATH246.

0101	Michael Brin TuTh 9:00am - 10:45am	Seats (Total: 30) MTH 0103
0201	James Schafer TuTh 2:00pm - 3:45pm	Seats (Total: 30) MTH 0303

MATH386 **Experiential Learning**

MATH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

MATH401 **Applications of Linear Algebra**

MATH401 Applications of Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Matei Machedon MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0304
0201	Yong Zheng TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0401
0301	Yong Zheng TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH B0425

MATH402 **Algebraic Structures**

MATH402 Algebraic Structures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or equivalent. Not open to mathematics graduate students. Credit will be granted for only one of the following: MATH402 or MATH403. For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.

0101	Denny Gulick MWF 10:00am - 10:50am	Seats (Total: 27) MTH 1313

MATH403 **Introduction to Abstract Algebra**

MATH403 Introduction to Abstract Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241; or equivalent. Credit will be granted for only one of the following: MATH402 or MATH403. Integers; groups, rings, integral domains, fields.

0101	Justin Wyss-Gallifent MWF 10:00am - 10:50am	Seats (Total: 32) CHM 2201
0202	Justin Wyss-Gallifent MWF 9:00am - 9:50am	Seats (Total: 32) CHM 2201

MATH405 **Linear Algebra**

MATH405 Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.

0101	Giovanni Forni MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0411

MATH406 **Introduction to Number Theory**

MATH406 Introduction to Number Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 or permission of department. Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0101	Joel Cohen MWF 10:00am - 10:50am	Seats (Total: 32) MTH 0103
0201	Thomas Haines MWF 12:00pm - 12:50pm	Seats (Total: 32) MTH 0103
0301	Harry Tamvakis TuTh 12:30pm - 1:45pm	Seats (Total: 32) MTH 0101

MATH410 **Advanced Calculus I**

MATH410 *(PermReq)* **Advanced Calculus I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 and MATH241, with grade of C or better; and permission of department. First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Wojciech Czaja MWF 11:00am - 11:50am	Seats (Total: 33) MTH 0103
0201	David Hamilton MWF 2:00pm - 2:50pm	Seats (Total: 37) MTH B0421
0301	Hisham Sati TuTh 11:00am - 12:15pm	Seats (Total: 32) EGR 0108
0401	Charles Levermore TuTh 2:00pm - 3:15pm	Seats (Total: 32) MTH 0306

MATH411 **Advanced Calculus II**

MATH411 *(PermReq)* **Advanced Calculus II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 and permission of department. Credit will be granted for only one of the following: MATH411 or MATH412. Continuation of MATH410.

0101	Yakov Pesin TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH B0423

MATH424 **Introduction to the Mathematics of Finance**

MATH424 *(PermReq)* **Introduction to the Mathematics of Finance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH141; and either STAT400 or BMGT231 and permission of department. Recommended: MATH240, MATH241, or MATH246. Credit will be granted for only one of the following: BMGT444, MATH424 or MATH498F. Formerly MATH498F. Introduction to the mathematical models used in finance and economics with emphasis on pricing derivative instruments. Designed for students in mathematics, computer science, engineering, finance and physics. Financial markets and instruments; elements from basic probability theory; interest rates and present value analysis; normal distribution of stock returns; option pricing; arbitrage pricing theory; the multiperiod binomial model; the Black-Scholes option pricing formula; proof of the Black-Scholes option pricing formula and applications; trading and hedging of options; Delta hedging; utility functions and portfolio theory; elementary stochastic calculus; Ito's Lemma; the Black-Scholes equation and its conversion to the heat equation.

0101	Manoussos Grillakis	Seats (Total: 34)
	MWF 9:00am - 9:50am	CHM 0127

MATH430 **Euclidean and Non-Euclidean Geometries**

MATH430 Euclidean and Non-Euclidean Geometries; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyerbolic geometry. Existence and properties of isometries.

0101	Frances Gulick	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	MTH 0405

MATH431 **Geometry for Computer Graphics**

MATH431 Geometry for Computer Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. Topics from projective geometry and transformation geometry, emphasizing the two-dimensional representation of three-dimensional objects and objects moving about in the plane and space. The emphasis will be on formulas and algorithms of immediate use in computer graphics.

0101	William Goldman	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	MTH 0103

MATH432 **Introduction to Topology**

MATH432 Introduction to Topology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 or equivalent. Metric spaces, topological spaces, connectedness, compactness (including Heine-Borel and Bolzano-Weierstrass theorems), Cantor sets, continuous maps and homeomorphisms, fundamental group (homotopy, covering spaces, the fundamental theorem of algebra, Brouwer fixed point theorem), surfaces (e.g., Euler characteristic, the index of a vector field, hairy sphere theorem), elements of combinatorial topology (graphs and trees, planarity, coloring problems).

0101	James Schafer	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	MTH B0425

MATH436 **Differential Geometry of Curves and Surfaces I**

MATH436 Differential Geometry of Curves and Surfaces I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH241; and either MATH240 or MATH461; and two 400-level MATH courses (not including MATH400, 461 and 478). Curves in the plane and Euclidean space, moving frames, surfaces in Euclidean space, orientability of surfaces; Gaussian and mean curvatures; surfaces of revolution, ruled surfaces, minimal surfaces, special curves on surfaces, "Theorema Egregium"; the intrinsic geometry of surfaces.

0101	William Goldman	Seats (Total: 30)
	TuTh 9:30am - 10:45am	MTH B0421

MATH445 **Elementary Mathematical Logic**

MATH445 Elementary Mathematical Logic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH445 or MATH450/CMSC450. Elementary development of propositional and predicate logic, including semantics and deductive systems and with a discussion of completeness, incompleteness and the decision problem.

0101	David Kueker MWF 1:00pm - 1:50pm	Seats (Total: 33) MTH 0304	

MATH456 **Cryptology**

MATH456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351 and permission of department. Also offered as CMSC456. Credit will be granted for only one of the following: MATH456 or CMSC456.* Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.

0101	Aravind Srinivasan MWF 11:00am - 11:50am	Seats (Total: 35) EGR 1108	

MATH461 **Linear Algebra for Scientists and Engineers**

MATH461 Linear Algebra for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH141 and one MATH/STAT course for which MATH141 is a prerequisite. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Credit will be granted for only one of the following: MATH240, MATH341, MATH400 or MATH461. Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0111	Matei Machedon MWF 1:00pm - 1:50pm Th 9:30am - 10:45am	Seats (Total: 29) ARM 0126 MTH B0425	 Discussion
0112	Matei Machedon MWF 1:00pm - 1:50pm Th 9:30am - 10:45am	Seats (Total: 29) ARM 0126 MTH 0101	 Discussion
0121	Matei Machedon MWF 1:00pm - 1:50pm Th 11:00am - 12:15pm	Seats (Total: 29) ARM 0126 MTH 1313	 Discussion

0122	Matei Machedon MWF 1:00pm - 1:50pm Th 11:00am - 12:15pm	Seats (Total: 29) ARM 0126 PHY 4220	Discussion
0131	Matei Machedon MWF 1:00pm - 1:50pm Th 2:00pm - 3:15pm	Seats (Total: 29) ARM 0126 MTH 0105	Discussion
0132	Matei Machedon MWF 1:00pm - 1:50pm Th 2:00pm - 3:15pm	Seats (Total: 29) ARM 0126 MTH 1313	Discussion

MATH462 **Partial Differential Equations for Scientists and Engineers**

MATH462 Partial Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH241 and MATH246. Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0101	Peter Wolfe TuTh 12:30pm - 1:45pm	Seats (Total: 34) MTH 0303

MATH463 **Complex Variables for Scientists and Engineers**

MATH463 Complex Variables for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	Horst Winkelnkemper MWF 12:00pm - 12:50pm	Seats (Total: 32) MTH 0306
0201	Antoine Mellet TuTh 11:00am - 12:15pm	Seats (Total: 32) MTH 0105

MATH464 **Transform Methods for Scientists and Engineers**

MATH464 Transform Methods for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246. Fourier series, Fourier and Laplace transforms. Evaluation of the complex inversion integral by the theory of residues. Applications to ordinary and partial differential equations of mathematical physics: solutions using transforms and separation of variables. Additional topics such as Bessel functions and calculus of variations.

0101	Kasso Okoudjou MWF 8:00am - 8:50am	Seats (Total: 30) MTH 0103

MATH470 **Mathematics for Secondary Education**

MATH470 Mathematics for Secondary Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH140, MATH141, and one 400-level Math course. Not open to students who have completed MATH498E. Credit will be granted for only one of the following: MATH470 or MATH498E. Formerly MATH498E. An advanced perspective on some of the core mathematics underlying high school mathematics courses. Topics include number systems, functions of one variable, equations, inequalities, trigonometric functions, curve fitting, and polynomials. The course includes an analysis of alternate approaches to mathematical ideas and problems, and makes connections between ideas that may have been studied separately in different high school and college courses.

0101	Frances Gulick MWF 9:00am - 9:50am	Seats (Total: 30) MTH 0407

MATH478A **Selected Topics For Teachers of Mathematics**

MATH478A *(PermReq)* **Selected Topics For Teachers of Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH481 **Statistics and Data Analysis for Middle School Teachers**

MATH481 *(PermReq)* **Statistics and Data Analysis for Middle School Teachers; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH214 or equivalent. Course for middle school teachers. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Not open to students who have completed MATH498B. Credit will be granted for only one of the following: MATH481, MATH498B, or MATH485. Formerly MATH498B. Prepares teachers with elementary certification to teach simple data analysis and probability in middle school. Focuses on understanding basic statistics, data analysis, and related theoretical ideas.

IHP1	Richard Hollenbeck Tu 5:00pm - 8:00pm	Seats (Total: 25) Location: TBA
	UMCP/PGCPS Partnership Program in Middle School Mathematics Offerings, PGCPS Location, Departmental Approval Required.	

MATH482 **Geometry for Middle School Teachers**

MATH482 *(PermReq)* **Geometry for Middle School Teachers; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH214 or equivalent. Course for middle school teachers. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Senior standing. Not open to students who have completed MATH498E. Credit will be granted for only one of the following: MATH482, MATH484, or MATH498E. Prepares teachers with elementary certification to teach geometry in middle school. Focuses on understanding basic geometry concepts and related theoretical ideas. Department permission required. Outreach MATH MCPS Partnership Program , Shady Grove.

IHP1	Karen McLaren W 5:00pm - 8:00pm	Seats (Total: 22) Location: TBA

MATH489 **Research Interactions in Mathematics; Research Interactions in Mathematics**

MATH489 *(PermReq)* **Research Interactions in Mathematics: Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498A **Selected Topics in Mathematics**

MATH498A *(PermReq)* **Selected Topics in Mathematics; (1-9 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH600 **Abstract Algebra I**

MATH600 Abstract Algebra I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 403 and MATH405; or equivalent.* Groups with operators, homomorphism and isomorphism theorems, normal series, Sylow theorems, free groups, Abelian groups, rings, integral domains, fields, modules. Topics may include HOM (A,B), Tensor products, exterior algebra. Offered fall only.

0101	Thomas Haines	Seats (Total: 30)
	MWF 10:00am - 10:50am	MTH 0403

MATH606 **Algebraic Geometry I**

MATH606 Algebraic Geometry I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 600 and MATH 601.* Prime and primary ideals in Noetherian rings, Hilbert Nullstellensatz, places and valuations, prevarieties (in the sense of Serre), dimension, morphisms, singularities, varieties, schemes, rationality.

0101	Niranjan Ramachandran	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	MTH 0103

MATH608A **Selected Topics in Algebra**

MATH608A Selected Topics in Algebra; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH608M **Selected Topics in Algebra; Modular Forms**

MATH608M Selected Topics in Algebra: Modular Forms; (3 credits) Grade Method: REG/AUD.

0101	Lawrence Washington	Seats (Total: 30)
	TuTh 9:30am - 10:45am	MTH 0411

MATH630 **Real Analysis I**

MATH630 Real Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 411 or equivalent. Lebesgue measure and the Lebesgue integral on R, differentiation of functions of bounded variation, absolute continuity and fundamental theorem of calculus, Lp spaces on R, Riesz-Fischer theorem, bounded linear functionals on Lp, measure and outer measure, Fubini's theorem.

0101	Patrick Fitzpatrick	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	MTH B0421

MATH632 **Functional Analysis**

MATH632 Functional Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 631. Introduction to functional analysis and operator theory: normed linear spaces, basic principles of functional analysis, bounded linear operators on Hilbert spaces, spectral theory of selfadjoint operators, applications to differential and integral equations, additional topics as time permits.

0101	Athanasios Tzavaras	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	MTH 1311

MATH634 **Harmonic Analysis**

MATH634 Harmonic Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 631. L1 theory: Fejer theorem, inversion theorem, ideal structure, Tauberian theorem. L2 theory: Plancherel-Parseval theorems, Paley-Wiener theorem. Lp theory: Hausdorff-Young theorem. Distribution theory: Bochner's theorem, Wiener continuous measures theorem, Malliavin theorem, Schwartz theory, almost periodic functions.

0101	C Warner	Seats (Total: 30)
	MWF 11:00am - 11:50am	MTH 0407

MATH642 **Dynamical Systems I**

MATH642 Dynamical Systems I; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 432; and MATH 630 or equivalent. Foundations of topological dynamics, homeomorphisms, flows, periodic and recurrent points, transitivity and minimality, symbolic dynamics. Elements of ergodic theory, invariant measures and sets, ergodicity, ergodic theorems, mixing, spectral theory, flows and sections. Applications of dynamical systems to number theory, the Weyl theorem, the distribution of values of polynomials, Vander Waerden's theorem on arithmetic progressions. Offered fall only.

0101	Giovanni Forni	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	MTH 0102

MATH648A **Selected Topics in Analysis**

MATH648A Selected Topics in Analysis; (1-3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH648F **Selected Topics in Analysis; Theory of Frames and Applications**

MATH648F Selected Topics in Analysis: Theory of Frames and Applications; (3 credits) Grade Method: REG/AUD.
Also offered as MAIT679F.

0101	John Benedetto	Seats (Total: 30)
	Tu 4:00pm - 6:45pm	MTH 0304

MATH648R **Selected Topics in Analysis; Attractors & Sinai-Ruelle-Bowen Measures in Small Dimensions**

MATH648R Selected Topics in Analysis: Attractors & Sinai-Ruelle-Bowen Measures in Small Dimensions; (1-3 credits) Grade Method: REG/AUD.

0101	Michael Jakobson	Seats (Total: 17)
	TuTh 9:30am - 10:45am	MTH B0431

MATH660 **Complex Analysis I**

MATH660 Complex Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 410 or equivalent.* Linear transformations, analytic functions, conformal mappings, Cauchy's theorem and applications, power series, partial fractions and factorization, elementary Riemann surfaces, Riemann's mapping theorem.

0101	Michael Jakobson	Seats (Total: 26)
	TuTh 12:30pm - 1:45pm	MTH 1311

MATH668A **Selected Topics in Complex Analysis**

MATH668A Selected Topics in Complex Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH670 **Ordinary Differential Equations I**

MATH670 Ordinary Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisites: MATH 405; and MATH 410 or the equivalent. Also offered as AMSC 670. Credit will be granted for only one of the following: AMSC 670, MAPL 670 OR MATH 670.* Existence and uniqueness, linear systems usually with Floquet theory for periodic systems, linearization and stability, planar systems usually with Poincare-Bendixson theorem. Offered fall only.

0101	Dmitry Dolgopyat	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	MTH 0403

MATH673 **Partial Differential Equations I**

MATH673 Partial Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 411 or equivalent. Also offered as AMSC 673. Credit will be granted for only one of the following: AMSC 673, MAPL 673 or MATH 673.* Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform. Offered fall only.

0101	Dionisios Margetis MWF 9:00am - 9:50am	Seats (Total: 34) MTH 0101

MATH689 **Research Interactions in Mathematics**

MATH689 *(PermReq)* **Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH695 **Teaching Seminar**

MATH695 Teaching Seminar; (1 credit) Grade Method: REG.
For MATH majors only. A course intended for first year teaching assistants. Topics include: everyday mechanics of teaching; teaching methods and styles; technology; course enrichment, diversity in the classroom; sexual harassment; teacher-student interactions; presentations by students.

0101	Frances Gulick MW 4:00pm - 5:15pm	Seats (Total: 35) MTH B0421

MATH712 **Mathematical Logic I**

MATH712 Mathematical Logic I; (3 credits) Grade Method: REG/AUD.
Sentential logic, first-order languages, models and formal deductions. Basic model theory including completeness and compactness theorems, other methods of constructing models, and applications such as non-standard analysis. Offered fall only.

0101	David Kueker MWF 11:00am - 11:50am	Seats (Total: 20) MTH 1313

MATH718A **Selected Topics in Mathematical Logic**

MATH718A Selected Topics in Mathematical Logic; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH718B **Selected Topics in Mathematical Logic; Model Theory and Set Theory**

MATH718B Selected Topics in Mathematical Logic: Model Theory and Set Theory; (3 credits) Grade Method: REG.

0101	Michael Laskowski	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CHM 0122

MATH730 **Fundamental Concepts of Topology**

MATH730 Fundamental Concepts of Topology; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 410, and MATH 411, and MATH 403; or equivalent. Survey of basic point set topology, fundamental group, covering spaces, Van Kampen's theorem, simplicial complexes, simplicial homology, Euler characteristics and classification of surfaces.

0101	Joel Cohen	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	MTH 2300

MATH740 **Riemannian Geometry**

MATH740 Riemannian Geometry; (3 credits) Grade Method: REG/AUD.
Prerequisites: {MATH 405; and MATH 411} or equivalent. Manifolds, tangent vectors and differential forms, Riemannian metrics, connections, curvature, structure equations, geodesics, completeness, immersions, tensor algebra, Lie derivative.

0101	Karin Melnick	Seats (Total: 27)
	TuTh 12:30pm - 1:45pm	MTH 0104

MATH748A **Selected Topics in Geometry and Topology**

MATH748A Selected Topics in Geometry and Topology; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH748I **Selected Topics in Geometry and Topology; Index Theory**

MATH748I Selected Topics in Geometry and Topology: Index Theory; (3 credits) Grade Method: REG/AUD.

0101	Jonathan Rosenberg	Seats (Total: 27)
	MWF 10:00am - 10:50am	MTH 0104

MATH799 **Master's Thesis Research**

MATH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH898 **Pre-Candidacy Research**

MATH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

MATH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences — Fall 2009

MEES498I **Topics in Marine-Estuarine-Environmental Sciences; Chesapeake Bay Health**

MEES498I Topics in Marine-Estuarine-Environmental Sciences: Chesapeake Bay Health; (3 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Carys Mitchelmore	Seats (Total: 20)
	MW 10:00am - 11:30am	COL 0105

MEES608A **Seminar in Marine-Estuarine-Environmental Sciences; Animal Models in Environmental Research**

MEES608A Seminar in Marine-Estuarine-Environmental Sciences: Animal Models in Environmental Research; (1 credit) Grade Method: REG/AUD.
This course is taught at the Center of Marine Biotechnology, Baltimore, MD.

0101	Shao Du	Seats (Total: 10)
	Contact instructor or department for details.	

MEES608D **Seminar in Marine-Estuarine-Environmental Sciences; Scientific Writing and Communication**

MEES608D *(PermReq)* **Seminar in Marine-Estuarine-Environmental Sciences: Scientific Writing and Communication; (1 credit)** Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Victor Kennedy	Seats (Total: 15)
	F 10:00am - 12:00pm	COL 0105

MEES608G **Seminar in Marine-Estuarine-Environmental Sciences; Microbial and Environmental Genomics**

MEES608G Seminar in Marine-Estuarine-Environmental Sciences: Microbial and Environmental Genomics; (2 credits) Grade Method: REG/AUD.
Course is taught at the Center of Marine Biotechnology and on the Interactive Video Network.

0101	Russell Hill, Feng Chen	Seats (Total: 10)
	Th 3:30pm - 5:30pm	COL 0105

MEES608I **Seminar in Marine-Estuarine-Environmental Sciences; Essential Skills for Graduate Studies**

MEES608I Seminar in Marine-Estuarine-Environmental Sciences: Essential Skills for Graduate Studies; (1 credit) Grade Method: REG/AUD.
Course is taught at the Appalachian Laboratory.

0101	Robert Gardner	Seats (Total: 10)
	Contact instructor or department for details.	

MEES608N **Seminar in Marine-Estuarine-Environmental Sciences; Development, Ecology, Economics, Ethics**

MEES608N Seminar in Marine-Estuarine-Environmental Sciences: Development, Ecology, Economics, Ethics; (1 credit) Grade Method: REG/AUD.

0101	Matthias Ruth	Seats (Total: 15)
	F 12:00pm - 1:30pm	VMH 1113

MEES608Z **Seminar in Marine-Estuarine-Environmental Sciences; Scientific Presentation**

MEES608Z *(PermReq)* **Seminar in Marine-Estuarine-Environmental Sciences: Scientific Presentation; (2 credits)** Grade Method: REG/AUD.
Course is taught at the Center of Marine Biotechnology, Baltimore, MD.

0101	Kevin Sowers	Seats (Total: 6)
	W 9:00am - 11:00am	Location: TBA

MEES610 **Land Margin Interactions**

MEES610 Land Margin Interactions; (4 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: MEES610 or MEES698I. Formerly MEES698I. Broad overview of the components and biogeochemistry of the coastal zone(atmosphere, land, streams, wetlands, estuaries) and the time and space scales on which interactions occur between components. Includes 4 h of classes per week with readings from the literature, field trips, a term paper, and a forum. Course is taught on the Interactive Video Network.

0101	Thomas Fisher	Seats (Total: 15)
	TuTh 10:00am - 12:00pm	COL 0105

MEES615 **Advanced Alternative Energy**

MEES615 Advanced Alternative Energy; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH111 or higher; PHYS117; and CHEM131; or permission of department. Also offered as ENST615. Credit will be granted for only one of the following: ENST305, ENST615, or MEES615.* Analysis of various renewable energy technologies and their current applications. Emphasis will be placed on energy consumption, efficiency, the ease of transition to renewable alternatives, and net energy comparisons with fossil fuel alternatives. Quantification of incident solar energy is covered in detail along with basic science and physics concepts underlining energy conversion and carbon sequstration. Technologies include hydroelectric, wind and wave turbines, solar thermal conversion, photovoltaic, hydrogen, fuel cells, geothermal, biogas, and biofuel.

0101	Stephanie Lansing MW 11:00am - 12:15pm Contact instructor or department for details.	Seats (Total: 11) ANS 0422

MEES621 **Biological Oceanography**

MEES621 Biological Oceanography; (4 credits) Grade Method: REG/AUD. Population and community ecology of estuarine and marine systems; coastal and estuarine processes are emphasized in the context of oceans in general. Field and lab trips required. Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Raleigh Hood TuTh 12:00pm - 2:00pm	Seats (Total: 25) COL 0105

MEES626 **Environmental Geochemistry I**

MEES626 Environmental Geochemistry I; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of instructor. Recommended: physical chemistry. Credit will be granted for only one of the following: MEES 626 or MEES 698L. Formerly MEES698L.* Brief overview of biogeochemical cycles; fundamental aquatic chemistry that can be applied to a variety of environmental systems. Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Johan Schijf MW 8:30am - 10:00am	Seats (Total: 20) COL 0105

MEES647 **Advanced Biodiversity, Ecology, and Human Health**

MEES647 Advanced Biodiversity, Ecology, and Human Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENST360 or permission of department. Also offered as ENST647. Credit will be granted for only one of the following: ENST447, ENST647, or MEES647. An investigation of how biodiversity and ecological processes affect human health. Humans as integral but unique members of ecosystems whose well-being depends on a range of complex ecological services will be viewed. Topics will include human-induced environmental changes, species invasions, species interactions, medicines from nature, and infectious diseases. Students will lead class discussion of peer-reviewed literature and complete an assignment writing a research grant proposal. The lab will involve researching native and introduced species of medical importance.

0101	Paul Leisnham	Seats (Total: 7)	
	M 2:00pm - 3:00pm	ANS 0422	
	W 9:00am - 12:00pm	ANS 0538	Lab
	Contact instructor or department for details.		

MEES650 **Wetland Ecology**

MEES650 Wetland Ecology; (3 credits) Grade Method: REG.
Prerequisite: BIOM301 or permission of department. Also offered as ENST450 and ENST650. Credit will be granted for only one of the following: ENST450, ENST650, NRMT450, or MEES650. Plant and animal communities, biogeochemistry, and ecosystem properties of wetland systems. Laboratory emphasizes collection and analysis of field data on wetland vegetation, soil, and hydrology.

0101	Andrew Baldwin	Seats (Total: 20)	
	Tu 2:00pm - 3:15pm	ANS 0422	
	Th 2:00pm - 6:00pm	ANS 0538	Lab

MEES698B **Special Topics in Marine-Estuarine-Environmental Sciences; Practical Protein Chemistry**

MEES698B Special Topics in Marine-Estuarine-Environmental Sciences: Practical Protein Chemistry; (3 credits) Grade Method: REG/AUD.
Course is taught at the Center of Marine Biotechnology and on the Intera ctive Video Network.

0101	Hafiz Ahmed	Seats (Total: 10)	
	MW 11:30am - 1:00pm	COL 0105	

MEES698C **Special Topics in Marine-Estuarine-Environmental Sciences; Cell and Molecular Biology: A Mechanics View**

MEES698C Special Topics in Marine-Estuarine-Environmental Sciences: Cell and Molecular Biology: A Mechanics View; (3 credits) Grade Method: REG/AUD.
Course is taught at the Center of Marine Biotechnology, Baltimire and on the interactive video network.

0101	Allen Place, Rosemary Jagus	Seats (Total: 20)
	TuTh 8:00am - 9:30am	COL 0105

MEES698E **Special Topics in Marine-Estuarine-Environmental Sciences; Principles and Practices of Ecosystem Restoration**

MEES698E Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration; (3 credits) Grade Method: REG/AUD.
Course is taught on the Interactive Video Network.

0101	Sujay Kaushal	Seats (Total: 20)
	Tu 3:30pm - 6:30pm	COL 0105

MEES698I **Special Topics in Marine-Estuarine-Environmental Sciences; Chesapeake Bay Health**

MEES698I Special Topics in Marine-Estuarine-Environmental Sciences: Chesapeake Bay Health; (3 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Carys Mitchelmore	Seats (Total: 20)
	MW 10:00am - 11:30am	COL 0105

MEES698N **Special Topics in Marine-Estuarine-Environmental Sciences; Embodied Energy Analysis**

MEES698N Special Topics in Marine-Estuarine-Environmental Sciences: Embodied Energy Analysis; (1 credit) Grade Method: REG/AUD.
Introduction to embodied energy theory and its application for understanding complexity in energy and environmental systems.

0101	David Tilley	Seats (Total: 15)
	Contact instructor or department for details.	

MEES698X **Special Topics in Marine-Estuarine-Environmental Sciences; Remote Sensing for Environmental Management**

MEES698X Special Topics in Marine-Estuarine-Environmental Sciences: Remote Sensing for Environmental Management; (4 credits) Grade Method: REG/AUD. Course is taught at the Appalachian Laboratory and on the Interactive Video Network.

0101	Andrew Elmore	Seats (Total: 20)
	MW 1:00pm - 3:00pm	COL 0105

MEES699 **Special Problems in Marine-Estuarine-Environmental Sciences**

MEES699 *(PermReq)* **Special Problems in Marine-Estuarine-Environmental Sciences; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES708R **Advanced Topics in Marine-Estuarine-Environmental Science; Advanced Stream Restoration**

MEES708R *(PermReq)* **Advanced Topics in Marine-Estuarine-Environmental Science: Advanced Stream Restoration; (2-3 credits)** Grade Method: REG/AUD.

0101	Margaret Palmer	Seats (Total: 10)
	Contact instructor or department for details.	

MEES799 **Masters Thesis Research**

MEES799 Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES898 **Pre-Candidacy Research**

MEES898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES899 **Doctoral Dissertation Research**

MEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Fall 2009

MIEH300 **Introduction to Environmental Health**

MIEH300 Introduction to Environmental Health; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Celeste Monforton, Ruth Long	Seats (Total: 30)
	M 6:00pm - 8:50pm	SGI 108
	This course will meet at the Universities at Shady Grove.	

MIEH600 **Foundations of Environmental Health**

MIEH600 Foundations of Environmental Health; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed HLTH761. Credit will be granted for only one of the following: HLTH761 or MIEH600. Formerly HLTH761. Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

0101	Betty Dabney	Seats (Total: 30)
	M 4:00pm - 6:45pm	SPH 1301

MIEH740 **Environmental Health Risk Assessment**

MIEH740 Environmental Health Risk Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. Review of the major methods of human and ecological risk assessment conducted by the U.S. Environment Protection Agency. Emphasis on sources of uncertainty.

0101	Amir Sapkota M 4:00pm - 6:45pm	Seats (Total: 20) CSS 2416

MIEH773 **Biological Contaminants in the Environment**

MIEH773 Biological Contaminants in the Environment; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. In-depth study of biological contaminants in the environment and their impacts on human health. Sources, dissemination and detection of biological contaminants, and their transmission to humans via food, water, air and other environmental media. Methods of disease prevention, including approaches to ensuring safe food and drinking water supplies.

0101	Amy Sapkota W 12:00pm - 2:45pm	Seats (Total: 10) SPH 0308

MIEH785 **Internship in Public Health**

MIEH785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)

MIEH786 **Captsone Project in Public Health**

MIEH786 *(PermReq)* **Captsone Project in Public Health; (3 credits)** Grade Method: REG/AUD.

Prerequisite: permission of department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)

MIEH788 **Critical Readings in Environmental Health**

MIEH788 *(PermReq)* **Critical Readings in Environmental Health; (1-3 credits)** Grade Method: REG/AUD.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)

MIEH789 **Independent Study**

MIEH789 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)

MIEH799 **Master's Thesis Research**

MIEH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F.

0201	Betty Dabney Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)

MOCB Molecular and Cell Biology Fall 2009

MOCB608 **Molecular and Cell Biology Seminar**

MOCB608 *(PermReq)* **Molecular and Cell Biology Seminar; (1 credit)** Grade Method: REG.

0101	Jonathan Dinman Contact instructor or department for details.	Seats (Total: 12)

MOCB699 **Laboratory Rotation**

MOCB699 *(PermReq)* **Laboratory Rotation; (2-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB708A **Advanced Topics in Molecular and Cell Biology; Membrane Traffic**

MOCB708A Advanced Topics in Molecular and Cell Biology: Membrane Traffic; (3 credits) Grade Method: REG/AUD.
Also offered as ANSC688N.

0101	Ian Mather TuTh 9:30am - 10:45am	Seats (Total: 20) ANS 0402

MOCB708B **Advanced Topics in Molecular and Cell Biology; Bioethics**

MOCB708B Advanced Topics in Molecular and Cell Biology: Bioethics; (1 credit) Grade Method: REG/AUD.

0201	Leslie Pick **Meets October 21, 2009 - December 9, 2009** W 10:00am - 12:00pm	Seats (Total: 20) PLS 4102

MOCB898 **Pre-Candidacy Research**

MOCB898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB899 **Doctoral Dissertation Research**

MOCB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUED Music Education Fall 2009

MUED155 **Fundamentals for the Classroom Teacher**

MUED155 Fundamentals for the Classroom Teacher; (3 credits) Grade Method: REG/P-F/AUD.
Open to students majoring in pre-early childhood education, pre-elementary education, elementary education or childhood education. The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

0101	Jane Sitarz MWF 1:00pm - 1:50pm	Seats (Total: 25) PAC 2168
0201	Leigh Berkley TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 3160
0301	Jane Sitarz TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 3160

MUED186 **Pre-professional Experiences I**

MUED186 *(PermReq)* **Pre-professional Experiences I; (2 credits)** Grade Method: REG/P-F/AUD.
For MUED majors only. Not open to students who have completed MUED197. Credit will be granted for only one of the following: MUED197 or MUED186. Formerly MUED197. An orientation into the role of the music teacher in the school and community. On-site school visits at elementary, middle and high school levels form the basis for discussion and exploration of all facets of the music education profession. Fulfills the College of Arts and Humanities requirement for UNIV101.

0101	Melissa Mills	Seats (Total: 30)	
	M 1:00pm - 2:50pm	PAC 2130A	
	W 1:00pm - 1:50pm	PAC 2130A	Lab

MUED214 **String Technique and Pedagogy II**

MUED214 String Technique and Pedagogy II; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUED213; open only to majors in Music Education (instrumental option). Not open to students who have completed MUED114. Credit will be granted for only one of the following: MUED114 or MUED214. Formerly MUED114. A study in violin, viola, cello and bass technique and pedagogy; intermediate to advanced level. Emphasizes group process playing and teaching, chamber music and individual technique development.

0101	Bruce Carter	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	PAC 2540

MUED215 **Woodwind Technique and Pedagogy**

MUED215 Woodwind Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly: MUED116 and MUED117. Not open to students who have completed MUED116 and MUED117. Credit will be granted for only one of the following: MUED116, MUED117 or MUED215. Playing experience on instruments of the woodwind family. Historical and acoustical background. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Edward Walters	Seats (Total: 15)
	MWF 10:00am - 10:50am	PAC 2540

MUED320 **Foundations of Secondary Instrumental Instruction**

MUED320 Foundations of Secondary Instrumental Instruction; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUED311. For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to extend secondary-level musical skill through planned instruction and development of teaching materials.

0101	Bruce Carter	Seats (Total: 12)
	TuTh 8:00am - 9:50am	PAC 1230

MUED333 **Classroom Vocal Pedagogy**

MUED333 Classroom Vocal Pedagogy; (2 credits) Grade Method: REG.
Prerequisites: MUED186 and MUED187. For MUED majors only. An introduction to the fundamentals of group vocal pedagogy for the choral and general classroom teacher, including the teaching of posture, breathing, resonance, registration, articulation and foreign language diction as appropriate to needs of the child or adolescent singer in K-12 classroom settings.

0101	Melissa Mills	Seats (Total: 10)
	M 4:00pm - 6:00pm	PAC 2130A

MUED420 **Advanced Methods in Secondary Instrumental Music Instruction**

MUED420 *(PermReq)* **Advanced Methods in Secondary Instrumental Music Instruction; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MUED311 and MUED320. Corequisite: MUED489. For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary, curricular-oriented, research-based, comprehensive secondary instrumental program.

0101	Michael Hewitt	Seats (Total: 20)
	Tu 9:00am - 12:00pm	PAC 2540

MUED471 **Elementary General Music Methods**

MUED471 *(PermReq)* **Elementary General Music Methods; (2 credits)** Grade Method: REG/AUD.
Prerequisites: MUED222 and MUED333. Corequisite: MUED489. For MUED majors only. A study of music curriculum, materials and teaching techniques for the development of sequential experiences which contribute to children's musical growth in the elementary schools.

0101	Janet Montgomery Tu 9:00am - 12:00pm	Seats (Total: 15) PAC 2130A	

MUED474 **Field Experiences: Pre-Student Teaching**

MUED474 Field Experiences: Pre-Student Teaching; (1 credit) Grade Method: REG.
Prerequisite: MUED411 and MUED420; or MUED471 and MUED472; and permission of department. Senior standing. Field experiences to fulfill teaching requirements in K-12 music teacher education program.

0101	Janet Montgomery, Melissa Mills, Bruce Carter, Michael Hewitt, Wendy Matthews Tu 7:00pm - 8:00pm	Seats (Total: 15) Location: TBA	

MUED484 **Student Teaching in Elementary School: Music**

MUED484 Student Teaching in Elementary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisites: Admission to teacher education program and permission of department. Corequisite: MUED494. For MUED majors only. Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Bruce Carter, Janet Montgomery, Melissa Mills, Michael Hewitt, Wendy Matthews Tu 4:30pm - 6:30pm	Seats (Total: 15) PAC 2160	Lab

MUED489G **Field Experiences; Field Experiences-General**

MUED489G *(PermReq)* **Field Experiences: Field Experiences-General; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Janet Montgomery Th 9:00am - 12:00pm	Seats (Total: 10) PAC 2130A	

MUED489I **Field Experiences; Field Experiences-Instrumental**

MUED489I *(PermReq)* **Field Experiences: Field Experiences-Instrumental; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Michael Hewitt Th 9:00am - 12:00pm	Seats (Total: 20) PAC 2540	Lab

MUED494 **Student Teaching in Secondary School: Music**

MUED494 Student Teaching in Secondary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisite: admission to teacher education program and permission of department. Corequisite: MUED484. For MUED majors only. Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Michael Hewitt, Bruce Carter, Janet Montgomery, Melissa Mills, Wendy Matthews TBA	Seats (Total: 15) PAC 2160	Lab

MUED694 **Learning Theory in Music**

MUED694 Learning Theory in Music; (3 credits) Grade Method: REG/AUD.
For MUED majors only. Exploration of learning theories and their application to music instruction. Study of music learning theory in crosscultural settings; application and evaluation in the context of a multicultural classroom.

0101	Janet Montgomery M 6:30pm - 9:00pm	Seats (Total: 5) PAC 2130A	

MUED780 **Seminar in Music Teacher Education**

MUED780 Seminar in Music Teacher Education; (3 credits) Grade Method: REG. *Doctoral standing. For MUED majors only.* Development of knowledge and skills necessary for music teacher educators. Topics include history of and reform movements in music teacher education, recruitment, education and certification of music teachers and inservice programs.

0101	Michael Hewitt Tu 5:00pm - 7:30pm	Seats (Total: 5) PAC 2130A	

MUET Ethnomusicology Fall 2009

MUET200 **World Popular Musics and Identity**

MUET200 World Popular Musics and Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Perspectives of world popular music as contested terrain, in terms of gender, nationality and aesthetics. Students will read case histories of specific movements, social commentaries on genres such as reggae, celtic-pop and rap, and investigate issues such as accessibility and technological constraints. The unifying factors are cross-cultural perceptions and displays of national identity, cultural retentions, stability and change. Formerly: MUSC 248C.

0101	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 2160	 Discussion
0102	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 2160	 Discussion
0103	Boden Sandstrom W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 2160	 Discussion
0104	Boden Sandstrom W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3160	 Discussion
0105	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3164	 Discussion

0106	Boden Sandstrom W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0107	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0108	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0109	Boden Sandstrom W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0110	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0111	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0112	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion

MUET210 **The Impact of Music on Life**

MUET210 The Impact of Music on Life; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101	Eliot Bates MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion

0102	Eliot Bates MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0103	Eliot Bates MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0104	Eliot Bates MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0105	Eliot Bates MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0106	Eliot Bates MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0107	Eliot Bates MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0108	Eliot Bates MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0109	Eliot Bates MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion

MUET220 **Selected Musical Cultures of the World**

MUET220 Selected Musical Cultures of the World; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East. Formerly: MUSC 248A.

0101	John Witzleben MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
0102	John Witzleben MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion
0103	John Witzleben MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion
0104	John Witzleben MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 PAC 2160	Discussion
0105	John Witzleben MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
0106	John Witzleben MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 PAC 2164	Discussion
FC01	Cheryl Tobler MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) KEY 0124	

MUET438A **Area Studies in Ethnomusicology; Selected Genres of Asian Music**

MUET438A *(PermReq)* **Area Studies in Ethnomusicology: Selected Genres of Asian Music; (3 credits)** Grade Method: REG.
Close investigation of selected Asian musical genres, from musical cultures such as Korea, Japan, north and south India, China, Java, Tibet, and Cambodia.

0101	Robert Provine TuTh 11:00am - 12:15pm	Seats (Total: 12) PAC 3110A

MUET660 **Field Methods in Ethnomusicology I**

MUET660 Field Methods in Ethnomusicology I; (3 credits) Grade Method: REG. Introduction to a wide variety of methods and strategies for surveying, interviewing, and observing the dynamics of performance in contrasting settings. This is the first of three semesters of field methods.

0101	Eliot Bates	Seats (Total: 12)
	W 3:30pm - 6:05pm	PAC 3110A

MUET675 **Historical Theory and Method in Ethnomusicology**

MUET675 *(PermReq)* **Historical Theory and Method in Ethnomusicology; (3 credits)** Grade Method: REG.
Prerequisite: MUET 420 or equivalent. Reading and discussion of major works in ethnomusicology, with emphasis on schools of thought, convergence with and divergence from musicology and systematic musicology; close examination of trends in methodology and theory from the mid eighteenth century until approximately twenty years before the present.

0101	Robert Provine	Seats (Total: 12)
	M 3:30pm - 6:00pm	PAC 3110A

MUET679F **Seminar in Ethnomusicology; Music and Film in Cross Cultural Perspectives**

MUET679F Seminar in Ethnomusicology: Music and Film in Cross Cultural Perspectives; (3 credits) Grade Method: REG.

0101	John Witzleben	Seats (Total: 12)
	Th 3:30pm - 6:00pm	PAC 3110A

MUSC School of Music Fall 2009

MUSC099 **Performance Attendance**

MUSC099 Performance Attendance; (No credit) Grade Method: S-F.

0101	Frank Latino	Seats (Total: 150)
	Contact instructor or department for details.	

MUSC100 **Beginning Class Voice**

MUSC100 Beginning Class Voice; (2 credits) Grade Method: REG.
A laboratory course involving a variety of voices and vocal problems. Principles of correct breathing as applied to singing; fundamentals of tone production and diction. Repertoire of folk songs and songs of the Classical and Romantic periods. Development of students' voices.

0101	Rebecca Echols MW 10:00am - 10:50am	Seats (Total: 15) PAC 2170
0102	Rebecca Echols MW 1:00pm - 1:50pm	Seats (Total: 15) PAC 2170

MUSC102 **Class Piano**

MUSC102 *(PermReq)* **Class Piano; (2 credits)** Grade Method: REG/P-F.
Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear. For MUSC majors only.

0101	Benjamin Harding TuTh 2:00pm - 3:15pm	Seats (Total: 14) PAC 1123
0201	Shelby Sender MWF 11:00am - 11:50am	Seats (Total: 14) PAC 1123
0301	Alexandru Timofeev MWF 1:00pm - 1:50pm	Seats (Total: 14) PAC 1123

MUSC106 **Beginning Classical Guitar**

MUSC106 Beginning Classical Guitar; (2 credits) Grade Method: REG/P-F/AUD.
Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required. For students with no previous musical experience.

0101	Giorgia Cavallaro MW 11:00am - 11:50am	Seats (Total: 12) PAC 1230

MUSC127 **Vocal Diction: Italian**

MUSC127 Vocal Diction: Italian and Spanish; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For MUSC majors only. Augmentation of private voice study. Phonetics and diction for singers of Italian and Spanish vocal literature.

0101	Carolyn Black-Sotir	Seats (Total: 15)	
	TuTh 11:00am - 11:50am	PAC 3164	

MUSC128 **Sight Reading For Pianists**

MUSC128 *(PermReq)* **Sight Reading For Pianists; (2 credits)** Grade Method: REG.
For Bachelor of Music piano majors only.

0101	Alexandru Timofeev	Seats (Total: 5)	
	MW 10:00am - 10:50am	PAC 2201	

MUSC129A **Ensemble; Chamber Music - Strings**

MUSC129A *(PermReq)* **Ensemble: Chamber Music - Strings; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	David Salness	Seats (Total: 45)	
	TuTh 11:00am - 12:15pm	Location: TBA	Lab

MUSC129B **Ensemble; Chamber Woodwinds**

MUSC129B *(PermReq)* **Ensemble: Chamber Woodwinds; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	Mark Hill	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129C **Ensemble; Chamber Music - Brasses**

MUSC129C *(PermReq)* **Ensemble: Chamber Music - Brasses; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	Gregory Miller	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	Location: TBA	Lab
	MTuWThF 8:00am - 8:50am	PAC 2201	Lab

MUSC129D **Ensemble; African Drumming**

MUSC129D Ensemble: African Drumming; (1 credit) Grade Method: REG.

0101	Amadou Kouyate	Seats (Total: 12)	
	W 5:00pm - 6:30pm	PAC 2201	Lab

MUSC129E **Ensemble; Advanced African Drumming**

MUSC129E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG.
Prerequiste: MUSC129D.

0101	Mahiri Edwards	Seats (Total: 12)	
	W 7:00pm - 8:30pm	PAC 2201	Lab

MUSC129G **Ensemble; Balinese Gamelan**

MUSC129G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 15)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC129H **Ensemble; Harp**

MUSC129H *(PermReq)* **Ensemble: Harp; (1 credit)** Grade Method: REG.

0101	Rebecca Smith	Seats (Total: 6)
	TuTh 11:00am - 12:15pm	PAC 1130A

MUSC129I **Ensemble; New Music**

MUSC129I *(PermReq)* **Ensemble: New Music; (1 credit)** Grade Method: REG. By Permission of Instructor.

0101	Dora Hanninen	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC129K **Ensemble; Japanese Koto**

MUSC129K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 10)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC129L **Ensemble; Advanced Japanese Koto**

MUSC129L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC129M **Ensemble; Chamber Music - Flute Choir**

MUSC129M *(PermReq)* **Ensemble: Chamber Music - Flute Choir; (1 credit)** Grade Method: REG.

0101	William Montgomery	Seats (Total: 6)	
	Contact instructor or department for details.		

MUSC129N **Ensemble; University of Maryland Brass**

MUSC129N *(PermReq)* **Ensemble: University of Maryland Brass; (1 credit)** Grade Method: REG.

0101	Gregory Miller	Seats (Total: 24)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC129P **Ensemble; Percussion**

MUSC129P *(PermReq)* **Ensemble: Percussion; (1 credit)** Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	W 5:15pm - 7:00pm	PAC 2540	Lab
	M 5:00pm - 6:30pm	Location: TBA	Lab

MUSC129Q **Ensemble; Korean Percussion Ensemble**

MUSC129Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sebastian Wang	Seats (Total: 10)	
	Th 7:00pm - 8:30pm	PAC 2170	

MUSC129R **Ensemble; Clarinet Choir**

MUSC129R *(PermReq)* **Ensemble: Clarinet Choir; (1 credit)** Grade Method: REG.

0101	Edward Walters	Seats (Total: 15)	
	W 6:30pm - 8:30pm	PAC 2126	Lab

MUSC129S **Ensemble; Saxophone**

MUSC129S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

0101	Connie Frigo	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC129T **Ensemble; Trombone**

MUSC129T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

0101	Christopher Dudley	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC129U **Ensemble; Tuba and Euphonium**

MUSC129U *(PermReq)* **Ensemble: Tuba and Euphonium; (1 credit)** Grade Method: REG.

0101	Paul Kellner	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC130 **Survey of Music Literature**

MUSC130 Survey of Music Literature; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.

0101	Christina Indianos MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 18) PAC 2200 PAC 2164	 Lab
0102	Christina Indianos MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 30) PAC 2200 PAC 2164	 Lab
0103	Christina Indianos MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 30) PAC 2200 PAC 2164	 Lab
0201	Christina Indianos MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) PAC 2200 PAC 2200	 Lab
0202	Christina Indianos MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 30) PAC 2200 PAC 2200	 Lab
0301	Christina Indianos MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) PAC 2200 PAC 3168	 Lab
0302	Christina Indianos MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) PAC 2200 PAC 3168	 Lab
0303	Christina Indianos MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) PAC 2200 PAC 3168	 Lab

MUSC130H **Survey of Music Literature**

MUSC130H Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. For general honors students only.

0203	Christina Indianos MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) PAC 2200 PAC 2200	 Discussion

MUSC130S **Survey of Music Literature**

MUSC130S Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. Restricted to College Park Scholars - Arts.

0101	Christina Indianos MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 12) PAC 2200 PAC 2164	 Lab

MUSC140 **Music Fundamentals I**

MUSC140 Music Fundamentals I; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course.
Limited to non-music majors. Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Patricia Burt MWF 11:00am - 11:50am	Seats (Total: 20) PAC 2168
0201	Patricia Burt MWF 12:00pm - 12:50pm	Seats (Total: 20) PAC 2168
FC01	Thomas Regulski MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 15) PAC 3160

MUSC150 **Theory of Music I**

MUSC150 *(PermReq)* **Theory of Music I; (3 credits)** Grade Method: REG/AUD. *Prerequisite: departmental audition and entrance examination. For MUSC majors only.* A study of basic concepts and skills in tonal melody and harmony through analysis and composition.

0101	Richard Layton MWF 8:00am - 8:50am TuTh 8:00am - 8:50am	Seats (Total: 8) PAC 2168 PAC 3160	 Lab
0102	Richard Layton MWF 8:00am - 8:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 2160	 Lab
0201	Matthew Jaskot TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 8) PAC 3164 PAC 3160	 Lab
0202	Matthew Jaskot TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 8) PAC 3164 PAC 3164	 Lab
0301	Richard Layton MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 8) PAC 2168 PAC 2168	 Lab
0302	Richard Layton MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 8) PAC 2168 PAC 2160	 Lab

MUSC200 **Intermediate Class Voice I**

MUSC200 Intermediate Class Voice I; (2 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC100 or equivalent vocal training.* Continuation of MUSC100, with more advanced repertory for solo voice and small ensembles. A special section for music education majors will include the study of methods and materials for teaching class voice.

0101	Rebecca Echols MW 2:00pm - 2:50pm	Seats (Total: 15) PAC 2170	

MUSC202 **Intermediate Class Piano I**

MUSC202 *(PermReq)* **Intermediate Class Piano I; (2 credits)** Grade Method: REG. *Prerequisite: MUSC103 or equivalent piano training.* Advanced keyboard techniques. Continuation of skills introduced in MUSC103. Transposition, modulation and sight reading; methods of teaching functional piano. Only for voice and instrumental principals with limited piano experience.

0101	Alexandru Timofeev MWF 9:00am - 9:50am	Seats (Total: 15) PAC 1123	

MUSC205 **History of Popular Music, 1950-Present**

MUSC205 History of Popular Music, 1950-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

0101	Richard King MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0102	Richard King MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0103	Richard King MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0104	Richard King MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3160	 Discussion
0105	Richard King MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3164	 Discussion

0106	Richard King MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0107	Richard King MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0108	Richard King MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0109	Richard King MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion

MUSC227 **Vocal Diction: German**

MUSC227 Vocal Diction: German; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. For MUSC majors only.* Augmentation of private study. Phonetics and diction for singers of German vocal literature.

0101	Joy Stevans TuTh 11:00am - 11:50am	Seats (Total: 15) PAC 3168	

MUSC229A **Ensemble; Orchestra**

MUSC229A *(PermReq)* **Ensemble: Orchestra; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross TuTh 3:30pm - 6:30pm	Seats (Total: 70) PAC 1230	Lab

MUSC229D **Ensemble; Wind Orchestra**

MUSC229D Ensemble: Wind Orchestra; (1 credit) Grade Method: REG. Open by audition, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC229E **Ensemble; Wind Ensemble**

MUSC229E Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Lowell Sparks	Seats (Total: 75)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC229F **Ensemble; Marching Band**

MUSC229F Ensemble: Marching Band; (1 credit) Grade Method: REG.
Open by audition.

0101	Lowell Sparks	Seats (Total: 300)	
	MWF 3:00pm - 5:00pm	PAC 2540	Lab

MUSC229G **Ensemble; Marching Band Repertoire**

MUSC229G Ensemble: Marching Band Repertoire; (1 credit) Grade Method: REG.
Corequisite: MUSC 229F.

0101	Lowell Sparks	Seats (Total: 300)	
	Tu 7:00pm - 9:00pm	PAC 2540	Lab

MUSC229I **Ensemble; Marching Band Auxiliary**

MUSC229I Ensemble: Marching Band Auxiliary; (1 credit) Grade Method: REG.
Corequisite: MUSC 229F.

0101	Lowell Sparks	Seats (Total: 50)	
	TuTh 6:30pm - 8:30pm	PAC 2540	Lab

MUSC229J **Ensemble; Jazz Ensemble**

MUSC229J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Christopher Vadala MW 5:30pm - 7:15pm	Seats (Total: 25) PAC 1230	 Lab
0201	Christopher Vadala MW 1:00pm - 2:20pm	Seats (Total: 30) PAC 1230	 Lab
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 30) PAC 1230	 Lab

MUSC229P **Ensemble; Pep Band**

MUSC229P *(PermReq)* **Ensemble: Pep Band; (1 credit)** Grade Method: REG.
Permission of Instructor.

0101	Lowell Sparks Contact instructor or department for details.	Seats (Total: 60)

MUSC229R **Ensemble; Repertoire Orchestra**

MUSC229R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross MW 3:00pm - 5:00pm	Seats (Total: 30) PAC 1230	 Lab

MUSC229U **Ensemble; University Band**

MUSC229U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Elijah Osterloh W 7:30pm - 9:30pm	Seats (Total: 100) PAC 2540	 Lab

MUSC229Z **Ensemble; Jazz Combo**

MUSC229Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 10)	
0201	Thomas Baldwin Contact instructor or department for details.	Seats (Total: 10)	
0301	Timothy Powell Contact instructor or department for details.	Seats (Total: 10)	
0401	Brent Madsen Contact instructor or department for details.	Seats (Total: 10)	

MUSC230 **History of Music I**

MUSC230 *(PermReq)* **History of Music I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC250 or equivalent; and permission of department.* A historical study of western music from Corelli through Beethoven.

0101	Patrick Warfield MWF 2:00pm - 2:50pm	Seats (Total: 25) PAC 3164	

MUSC250 **Advanced Theory of Music I**

MUSC250 *(PermReq)* **Advanced Theory of Music I; (4 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC151 with a minimum grade of C. A continuation of MUSC 151, with further study of chromatic and modulatory techniques of the nineteenth century. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 3160	 Lab
0102	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 2168	 Lab

0201	Mark Wilson TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3160 PAC 2164	 Lab
0202	Mark Wilson TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3160 PAC 2160	 Lab
0301	Daniel Zimmerman TuThF 10:00am - 10:50am MW 9:00am - 9:50am	Seats (Total: 8) PAC 3164 PAC 2164	 Lab
0302	Daniel Zimmerman TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3164 PAC 3164	 Lab

MUSC328 **Introduction to Chamber Music for Pianists**

MUSC328 *(PermReq)* **Introduction to Chamber Music for Pianists; (2 credits)**
Grade Method: REG/P-F/AUD.

0101	Rita Sloan Tu 4:00pm - 6:00pm	Seats (Total: 5) PAC 2126	

MUSC329A **Ensemble; University of Maryland Chorale**

MUSC329A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)**
Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

0101	Edward Maclary TuTh 3:00pm - 4:30pm	Seats (Total: 75) PAC 2201	 Lab

MUSC329B **Ensemble; Chamber Singers**

MUSC329B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

0101	Edward Maclary	Seats (Total: 50)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab

MUSC329E **Ensemble; Gospel Choir**

MUSC329E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC329M **Ensemble; Men's Chorus**

MUSC329M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.
Monthly evening rehearsals will be scheduled as announced.

0101	Stephen Holmes	Seats (Total: 40)	
	MWF 12:00pm - 12:50pm	PAC 1230	Lab

MUSC329O **Ensemble; Ensemble: Opera Chorus**

MUSC329O *(PermReq)* **Ensemble: Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

0101	Edward Maclary	Seats (Total: 25)	
	F 4:00pm - 6:00pm	PAC 2170	

MUSC329W **Ensemble; Women's Chorus**

MUSC329W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.
Monthly evening rehearsals will be scheduled as announced.

0101	Timothy Reno	Seats (Total: 60)	
	MWF 12:00pm - 12:50pm	PAC 2201	Lab

MUSC330 **History of Music II**

MUSC330 *(PermReq)* **History of Music II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC250 or equivalent; and permission of department.* A historical study of western music from the Romantic era to the present.

0101	Olga Haldey	Seats (Total: 25)	
	MWF 2:00pm - 2:50pm	PAC 3160	

MUSC331 **History of Music III**

MUSC331 History of Music III; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC230, MUSC330, and permission of department. A historical study of western music from Antiquity through the Baroque, ending with a review of all periods of music history.

0101	Richard Wexler	Seats (Total: 25)	
	MWF 2:00pm - 2:50pm	PAC 2168	

MUSC345 **Jazz Theory and Improvisation I**

MUSC345 *(PermReq)* **Jazz Theory and Improvisation I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC251 or permission of department. Jazz theory, notational conventions, improvisation techniques, reading and analysis of music, and performance in small combo format.

0101	Brent Madsen	Seats (Total: 8)	
	M 7:15pm - 9:50pm	PAC 1208	

MUSC379 **Opera Workshop**

MUSC379 *(PermReq)* **Opera Workshop; (1 credit)** Grade Method: REG/P-F.

0101	Patrick Diamond	Seats (Total: 15)	
	MW 4:00pm - 6:00pm	PAC 2170	Lab

MUSC386 **Experiential Learning**

MUSC386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

MUSC388 **Music Internship**

MUSC388 Music Internship; (3 credits) Grade Method: REG/P-F/AUD.

0101	Suzanne Beicken	Seats (Total: 5)
	Contact instructor or department for details.	
0301	Edward Maclary	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC389 **Music Internship Analysis**

MUSC389 Music Internship Analysis; (1 credit) Grade Method: REG/P-F/AUD.

0101	Suzanne Beicken	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC400S **Music Pedagogy**

MUSC400S Music Pedagogy; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: MUSP315; and permission of department.*

Contact department for information to register for this course.

MUSC428 **Repertoire Coaching of Vocal or Chamber Music**

MUSC428 *(PermReq)* **Repertoire Coaching of Vocal or Chamber Music; (2 credits)** Grade Method: REG.

0101	Rita Sloan	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC443 **Solo Vocal Literature**

MUSC443 *(PermReq)* **Solo Vocal Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC330, MUSC331 or equivalent. The study of solo vocal literature from the Baroque Cantata to the Art Song of the present. The Lied, Melodie, vocal chamber music and the orchestral song are examined.

0101	Emily Riggs	Seats (Total: 10)
	TuTh 9:00am - 10:15am	PAC 2170

MUSC444 **Wind and Percussion Literature**

MUSC444 *(PermReq)* **Wind and Percussion Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Corequisite: MUSP419 or MUSP420. Recital program notes and written projects in wind or percussion literature.

Contact department for information to register for this course.

MUSC446 **String Literature**

MUSC446 *(PermReq)* **String Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSP316 and permission of department. Recital program notes and written projects in string literature.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

MUSC448 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448A **Selected Topics in Music; Marching Band Techniques**

MUSC448A *(PermReq)* **Selected Topics in Music: Marching Band Techniques; (2 credits)** Grade Method: REG.
Concurrent enrollment in MUSC 229F and MUSC 229G required.

0101	Lowell Sparks	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC448B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC448B *(PermReq)* **Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit)** Grade Method: REG/P-F/AUD.
Also offered as MUSC699B.

0101	Robert Oppelt	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC448C **Selected Topics in Music; Chamber Music Literature**

MUSC448C *(PermReq)* **Selected Topics in Music: Chamber Music Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as MUSC699C.

0101	Shelley Davis	Seats (Total: 15)
	Th 7:00pm - 9:30pm	PAC 3110A

MUSC448G **Selected Topics in Music; Perspectives on Postmodern Music**

MUSC448G *(PermReq)* **Selected Topics in Music: Perspectives on Postmodern Music; (3 credits)** Grade Method: REG/P-F/AUD.

0101	James Fry	Seats (Total: 12)
	TuTh 2:00pm - 3:15pm	PAC 2168

MUSC448K **Selected Topics in Music; Keyboard Skills for Vocalists**

MUSC448K *(PermReq)* **Selected Topics in Music: Keyboard Skills for Vocalists; (1 credit)** Grade Method: REG/P-F/AUD.
This course is for graduate vocal majors only.

0101	Jessica Stitt	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC448W **Selected Topics in Music; Instrumental Pedagogy**

MUSC448W *(PermReq)* **Selected Topics in Music: Instrumental Pedagogy; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC450 **Musical Form**

MUSC450 *(PermReq)* **Musical Form; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC251.* A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

0101	Daniel Zimmerman	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 2164

MUSC451 **Analysis of Music**

MUSC451 Analysis of Music; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC450 or permission of instructor.* A course in the analysis of music. Discussion of individual works, with emphasis on their unique characteristics and on the relation of analysis to performance.

0101	Thomas DeLio	Seats (Total: 15)
	W 2:00pm - 4:40pm	PAC 2164

MUSC455 **Theory of Jazz**

MUSC455 Theory of Jazz; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC250 or permission of department. For MUSC majors only.* An aural-theoretical examination of melodic and harmonic function in jazz with emphasis on bebop. "Layered" harmonic analysis combined with melodic analysis of solo transcriptions applied to the creation of small group arrangements of "standard" tunes.

0101	Leigh Pilzer	Seats (Total: 12)
	MW 3:00pm - 4:15pm	PAC 3160

MUSC483 **Music in the Classic Era**

MUSC483 Music in the Classic Era; (3 credits) Grade Method: REG/P-F/AUD. Survey of western music from 1750 to 1820.

0101	Shelley Davis	Seats (Total: 15)
	M 7:00pm - 9:35pm	PAC 3110A

MUSC490 **Conducting**

MUSC490 *(PermReq)* **Conducting; (2 credits)** Grade Method: REG.
Prerequisite: MUSC251. Vocal and instrumental baton techniques.

0201	Edward Maclary MWF 11:00am - 11:50am	Seats (Total: 11) PAC 2201
0301	Edward Maclary MWF 1:00pm - 1:50pm	Seats (Total: 11) PAC 2201

MUSC492 **Keyboard Music I**

MUSC492 Keyboard Music I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. The history and literature of harpsichord and solo piano music from its beginning to the romantic period. Emphasis is placed on those segments of repertory which are encountered in performance and teaching situations at the present time.

0101	Michael Habermann MW 11:00am - 12:15pm	Seats (Total: 15) PAC 2170

MUSC499 **Independent Studies**

MUSC499 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC550 **Theory of Music Graduate Review**

MUSC550 Theory of Music Graduate Review; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department; Course is non-applicable toward a graduate degree. Music theory review for graduate students:aural training, counterpoint, basic diatonic harmony, chromatic harmony, and analysis of complete works.

0101	James Fry TuTh 9:00am - 10:15am	Seats (Total: 20) PAC 2164

MUSC601 **Advanced English Lyric Diction**

MUSC601 Advanced English Lyric Diction; (1 credit) Grade Method: REG/AUD. *Prerequisite: admission to graduate voice program or permission of instructor. For music majors only.* Concepts, strategies and techniques for singing operatic, oratorio and song literature in English: stress patterns, linkage, stressed and non stressed vowels, dipthongs, placement of consonants and vowels, and communication of text with emphasis on current performance practices. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Linda Mabbs	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 2170

MUSC604 **Advanced French Lyric Diction**

MUSC604 Advanced French Lyric Diction; (1 credit) Grade Method: REG/AUD. *Prerequisite: admission to graduate voice program or permission of instructor. For music majors only.* Concepts, strategies and techniques for singing operatic and song literature in French: phoneticization, formation and singing of the vowel-sounds, semi-consonants, and consonants; the liaison; legato singing in French; the hiatus, mute and aspirate 'h'; stress and word rhythm. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Francois Loup	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 1218

MUSC605 **Opera Repertory I**

MUSC605 *(PermReq)* **Opera Repertory I; (1 credit)** Grade Method: REG/AUD. *Prerequisite: MUSC 602 or permission of instructor. For MUSC majors only.* Advanced vocal coaching of selections from the Italian, French, German, and English opera repertory: musical accuracy; language facility; diction clarity; and dramatic interpretation.

0101	Dominic Cossa	Seats (Total: 10)
	Th 10:30am - 12:00pm	PAC 2170

MUSC608 **Chamber Music Repertory; Chamber Music Repertoire**

MUSC608 *(PermReq)* **Chamber Music Repertory: Chamber Music Repertoire; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC611 **Opera Techniques I**

MUSC611 Opera Techniques I; (2 credits) Grade Method: REG/AUD. *Prerequisite: permission of director of opera. Corequisite: MUSC 601. For MUSC majors only.* Techniques for opera performance: Improvisation; Acting I, Scene Study I; and Movement I. Practical application of styles and techniques to operatic repertoire.

0101	Leon Major	Seats (Total: 10)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC613 **Opera Techniques III**

MUSC613 *(PermReq)* **Opera Techniques III; (2 credits)** Grade Method: REG/AUD. *Prerequisites: MUSC 612 with a grade of B or better and permission of Director of Opera. Corequisites: MUSC 603 and MUSC 605. For MUSC majors only.* Continuation of MUSC 612. Techniques for opera performance: Scene Study III; Movement III; and Shakespeare.

0101	Leon Major	Seats (Total: 10)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC629A **Ensemble; Orchestra**

MUSC629A *(PermReq)* **Ensemble: Orchestra; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC629B **Ensemble; University of Maryland Brass Ensemble**

MUSC629B *(PermReq)* **Ensemble: University of Maryland Brass Ensemble; (1 credit)** Grade Method: REG.

0101	Gregory Miller	Seats (Total: 10)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC629C **Ensemble; Wind Ensemble**

MUSC629C Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 20)	
	MWF 11:00am - 12:30pm	PAC 2540	

MUSC629D **Ensemble; African Drumming**

MUSC629D Ensemble: African Drumming; (1 credit) Grade Method: REG.

0101	Amadou Kouyate	Seats (Total: 4)	
	W 5:00pm - 6:30pm	PAC 2201	Lab

MUSC629E **Ensemble; Advanced African Drumming**

MUSC629E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG.
Prerequisite: MUSC629D.

0101	Mahiri Edwards	Seats (Total: 4)	
	W 7:00pm - 8:30pm	PAC 2201	Lab

MUSC629F **Ensemble; Ensemble: Marching Band**

MUSC629F Ensemble: Ensemble: Marching Band; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 175)	
	MWF 3:00pm - 5:00pm	PAC 2540	Lab

MUSC629G **Ensemble; Balinese Gamelan**

MUSC629G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC629I **Ensemble; New Music Ensemble**

MUSC629I *(PermReq)* **Ensemble: New Music Ensemble; (1 credit)** Grade Method: REG.
By permission of instructor.

0101	Dora Hanninen	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC629J **Ensemble; Jazz Ensemble**

MUSC629J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Christopher Vadala	Seats (Total: 20)	
	MW 5:30pm - 7:15pm	PAC 1230	Lab
0201	Christopher Vadala	Seats (Total: 10)	
	MW 1:00pm - 2:20pm	PAC 1230	Lab
0301	Christopher Vadala	Seats (Total: 10)	
	M 7:30pm - 9:30pm	PAC 1230	Lab

MUSC629K **Ensemble; Japanese Koto**

MUSC629K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 2)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC629L **Ensemble; Advanced Japanese Koto**

MUSC629L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC629M **Ensemble; Chamber Music - Flute Choir**

MUSC629M Ensemble: Chamber Music - Flute Choir; (1 credit) Grade Method: REG.

0101	William Montgomery	Seats (Total: 6)	
	Contact instructor or department for details.		

MUSC629P **Ensemble; Percussion Ensemble**

MUSC629P Ensemble: Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 5)	
	W 5:15pm - 7:00pm	PAC 2540	Lab
	M 5:00pm - 6:30pm	PAC 2540	Lab

MUSC629Q **Ensemble; Korean Percussion Ensemble**

MUSC629Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 2170	

MUSC629R **Ensemble; Repertoire Orchestra**

MUSC629R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 10)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC629S **Ensemble; Saxophone**

MUSC629S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

0101	Connie Frigo	Seats (Total: 5)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC629T **Ensemble; Trombone**

MUSC629T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

0101	Christopher Dudley	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC629U **Ensemble; University Band**

MUSC629U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 10)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC629W **Ensemble; Wind Orchestra**

MUSC629W Ensemble: Wind Orchestra; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 30)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC629Z **Ensemble; Jazz Combo**

MUSC629Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel	Seats (Total: 10)
	Contact instructor or department for details.	
0201	Thomas Baldwin	Seats (Total: 10)
	Contact instructor or department for details.	

0301	Timothy Powell Contact instructor or department for details.	Seats (Total: 10)	
0401	Brent Madsen Contact instructor or department for details.	Seats (Total: 10)	

MUSC639B **Seminar in Music; Beethoven**

MUSC639B Seminar in Music: Beethoven; (3 credits) Grade Method: REG/AUD.

0101	Richard Wexler Tu 7:00pm - 9:30pm	Seats (Total: 12) PAC 3110A	

MUSC648 **Seminar in Music Research**

MUSC648 *(PermReq)* **Seminar in Music Research; (3 credits)** Grade Method: REG/AUD.

0101	Natalie Zelensky Tu 7:00pm - 9:40pm	Seats (Total: 15) PAC 2515C	
0201	Natalie Zelensky M 7:00pm - 9:40pm	Seats (Total: 15) PAC 2515C	
0301	Barbara Haggh-Huglo TuTh 11:00am - 12:15pm	Seats (Total: 15) PAC 2515C	
0401	Janice Holly Th 7:00pm - 9:40pm	Seats (Total: 15) PAC 2515C	

MUSC649A **Ensemble; University of Maryland Chorale**

MUSC649A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Edward Maclary TuTh 3:00pm - 4:30pm	Seats (Total: 10) PAC 2201	Lab

MUSC649B **Ensemble; Chamber Singers**

MUSC649B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab

MUSC649E **Ensemble; Ensemble: Gospel Choir**

MUSC649E Ensemble: Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 10)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC649M **Ensemble; Men's Chorus**

MUSC649M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Stephen Holmes	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 1230	Lab

MUSC649O **Ensemble; Opera Chorus**

MUSC649O *(PermReq)* **Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

0101	Edward Maclary	Seats (Total: 10)	
	F 4:00pm - 6:00pm	PAC 2170	

MUSC649W **Ensemble; Women's Chorus**

MUSC649W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Timothy Reno	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 2201	Lab

MUSC651 **The Theories of Heinrich Schenker**

MUSC651 *(PermReq)* **The Theories of Heinrich Schenker; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC 450 or permission of department. The analytical methods of Heinrich Schenker with application of those theories to musical literature from the Baroque, Classical and Romantic periods.

0101	Thomas DeLio W 11:00am - 1:35pm	Seats (Total: 10) PAC 2164

MUSC659 **Seminar in Choral Repertoire and Pedagogy**

MUSC659 *(PermReq)* **Seminar in Choral Repertoire and Pedagogy; (2-3 credits)** Grade Method: REG/AUD.

0101	Edward Maclary MW 10:00am - 10:50am	Seats (Total: 6) PAC 3160

MUSC671 **Advanced Analytical Techniques II**

MUSC671 Advanced Analytical Techniques II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC 451 or permission of department. Analysis of representative masterpieces of the nineteenth and early twentieth centuries.

0101	Lawrence Moss W 5:30pm - 8:00pm	Seats (Total: 15) PAC 2160

MUSC680 **Seminar in Music of Antiquity and the Middle Ages**

MUSC680 Seminar in Music of Antiquity and the Middle Ages; (3 credits) Grade Method: REG/AUD.
Research topics in music from antiquity to 1450.

0101	Barbara Haggh-Huglo TuTh 9:30am - 10:45am	Seats (Total: 12) PAC 3110A

MUSC684 **Seminar in Music of the Romantic Era**

MUSC684 Seminar in Music of the Romantic Era; (3 credits) Grade Method: REG/AUD.
Seminar in music of the Romantic era. Research topics in music from 1820 to 1900.

0101	Olga Haldey W 7:00pm - 9:30pm	Seats (Total: 15) PAC 3110A

MUSC689 **Advanced Conducting**

MUSC689 *(PermReq)* **Advanced Conducting; (3 credits)** Grade Method: REG/AUD.

0101	Edward Maclary Th 12:00pm - 2:30pm	Seats (Total: 5) PAC 3164
0201	James Ross M 3:00pm - 5:00pm F 3:00pm - 5:00pm	Seats (Total: 5) PAC 3168 PAC 1230
0301	Michael Votta Tu 7:00pm - 9:30pm	Seats (Total: 5) PAC 3168

MUSC699 **Selected Topics in Music**

MUSC699 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC699B Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit) Grade Method: REG/AUD.
Also offered as MUSC448B.

0101	Robert Oppelt Contact instructor or department for details.	Seats (Total: 15)

MUSC699C **Selected Topics in Music; Chamber Music Literature**

MUSC699C Selected Topics in Music: Chamber Music Literature; (3 credits)
Grade Method: REG/AUD.
Also offered as MUSC448C.

0101	Shelley Davis	Seats (Total: 15)
	Th 7:00pm - 9:30pm	PAC 3110A

MUSC699D **Selected Topics in Music; Diction for Pianists**

MUSC699D Selected Topics in Music: Diction for Pianists; (2 credits) Grade Method: REG/AUD.

0101	Robert McReynolds	Seats (Total: 8)
	Contact instructor or department for details.	

MUSC699G **Selected Topics in Music; Perspectives on Postmodern Music**

MUSC699G *(PermReq)* **Selected Topics in Music: Perspectives on Postmodern Music; (3 credits)** Grade Method: REG/AUD.

0101	James Fry	Seats (Total: 12)
	TuTh 2:00pm - 3:15pm	PAC 2168

MUSC699J **Selected Topics in Music; Theory of Jazz**

MUSC699J *(PermReq)* **Selected Topics in Music: Theory of Jazz; (3 credits)**
Grade Method: REG/AUD.
This course is for MM Jazz majors only.

0101	Leigh Pilzer	Seats (Total: 4)
	MW 3:00pm - 4:15pm	PAC 3160

MUSC699K **Selected Topics in Music; Popular Music**

MUSC699K *(PermReq)* **Selected Topics in Music: Popular Music; (3 credits)**
Grade Method: REG/AUD.

0101	Richard King	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	PAC 3110A

MUSC699L **Selected Topics in Music; George Gershwin and American Music**

MUSC699L *(PermReq)* **Selected Topics in Music: George Gershwin and American Music; (3 credits)** Grade Method: REG/AUD.
A seminar focusing on the connections betwee the music of George Gershwin and Tin Pan Alley, Broadway, opera, African-American performance, Hollywood film, the piano, media, and technology.

0101	Patrick Warfield M 3:30pm - 6:00pm	Seats (Total: 12) PAC 2160

MUSC699T **Selected Topics in Music; Theory in Analysis**

MUSC699T Selected Topics in Music: Theory in Analysis; (3 credits) Grade Method: REG/AUD.

0101	Dora Hanninen F 1:00pm - 3:30pm	Seats (Total: 15) PAC 3168

MUSC699W **Selected Topics in Music; Instrumental Pedagogy**

MUSC699W Selected Topics in Music: Instrumental Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699Z **Selected Topics in Music; Jazz Theory and Improvisation I**

MUSC699Z *(PermReq)* **Selected Topics in Music: Jazz Theory and Improvisation I; (3 credits)** Grade Method: REG/AUD.

0101	Brent Madsen M 7:15pm - 9:50pm	Seats (Total: 8) PAC 1208

MUSC799 **Master's Thesis Research**

MUSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC800P **Advanced Seminar in Music Pedagogy**

MUSC800P Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

0101	Cleveland Page	Seats (Total: 15)
	Tu 11:00am - 1:30pm	PAC 2168

MUSC800V **Advanced Seminar in Music Pedagogy**

MUSC800V Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

0101	Martha Randall	Seats (Total: 15)
	W 3:00pm - 5:30pm	PAC 3168

MUSC800W **Advanced Seminar in Music Pedagogy**

MUSC800W Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

Contact department for information to register for this course.

MUSC830C **Doctoral Seminar in Music Literature**

MUSC830C *(PermReq)* **Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG.
Prerequisite: at least twelve hours in music history and literature. For conducting majors.

0201	James Ross	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC830S **Doctoral Seminar in Music Literature**

MUSC830S Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.

Prerequisite: at least twelve hours in music history and literature.

0101	Kenneth Slowik	Seats (Total: 15)
	M 9:00am - 12:00pm	PAC 2126

MUSC830W **Doctoral Seminar in Music Literature**

MUSC830W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Prerequisite: at least twelve hours in music history and literature.

Contact department for information to register for this course.

MUSC831A **Doctoral Seminar in Music Literature**

MUSC831A Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.

Prerequisite: MUSC 830 or permission of instructor.

0101	Rita Sloan	Seats (Total: 15)
	Th 10:00am - 12:30pm	PAC 2126

MUSC878 **Advanced Composition**

MUSC878 *(PermReq)* **Advanced Composition; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC898 **Pre-Candidacy Research**

MUSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

MUSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS Neuroscience & Cognitive Science Fall 2009

NACS608 **Neuroscience and Cognitive Science Seminar**

NACS608 Neuroscience and Cognitive Science Seminar; (1-2 credits) Grade Method: REG.

0101	Daphne Soares, Ricardo Araneda	Seats (Total: 20)	
	F 10:15am - 11:15am	BRB 1103	

NACS641 **Introduction to Neurosciences**

NACS641 *(PermReq)* **Introduction to Neurosciences; (4 credits)** Grade Method: REG/AUD.
Prerequisite: permission of instructor. Detailed examination of neuroanatomy, neurophysiology, neural development and plasticity, sensory processing, motor control, and 'higher' CNS (Cognitive & Neural Science) functions such as language and memory.

0101	Daphne Soares, Ricardo Araneda, Patrick Kanold	Seats (Total: 15)	
	TuTh 9:45am - 11:00am	BPS 1230	
	W 9:45am - 11:00am	BPS 1230	Discussion

NACS728A **Selected Topics in Neuroscience and Cognitive Science; ABCs of Prefrontal Cortex - Action, Behavioral Control, and Cognition**

NACS728A *(PermReq)* **Selected Topics in Neuroscience and Cognitive Science: ABCs of Prefrontal Cortex - Action, Behavioral Control, and Cognition; (2 credits)** Grade Method: REG/AUD.
Reading course in comparative studies of the structur and functional roles of the prefrontal cortex in language, cognition, memory, perception and action in humans and animals (monkeys, ferrets, and rats). Students will present readings on various topics in PFC during one hour weekly discussion.

0101	Donald Bolger, Jonathan Fritz	Seats (Total: 20)	
	M 2:00pm - 3:40pm	LEF 1171	

NACS728B **Selected Topics in Neuroscience and Cognitive Science; Quantitative Analysis of Biological Data**

NACS728B Selected Topics in Neuroscience and Cognitive Science: Quantitative Analysis of Biological Data; (4 credits) Grade Method: REG/AUD.

0101	Jonathan Simon	Seats (Total: 20)	
	TuTh 3:30pm - 4:45pm	PLS 1158	
	M 3:00pm - 5:00pm	EGR 0312	Lab

NACS728Y **Selected Topics in Neuroscience and Cognitive Science; Introduction to Cognitive Science**

NACS728Y Selected Topics in Neuroscience and Cognitive Science: Introduction to Cognitive Science; (4 credits) Grade Method: REG/AUD.

0101	William Idsardi	Seats (Total: 25)
	TuTh 1:00pm - 3:00pm	JMZ 2120

NACS898 **Pre-Candidacy Research**

NACS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS899 **Doctoral Dissertation Research**

NACS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC Nutrition and Food Science Fall 2009

NFSC100 **Elements of Nutrition**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.

Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Nancy Katz MW 1:00pm - 1:50pm Th 8:30am - 9:30am	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
0102	Nancy Katz MW 1:00pm - 1:50pm Th 8:30am - 9:30am	Seats (Total: 25) TYD 0130 KEY 0120	Discussion
0103	Nancy Katz MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) TYD 0130 KEY 0123	Discussion
0104	Nancy Katz MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) TYD 0130 ARM 0110	Discussion
0105	Nancy Katz MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 TYD 1101	Discussion
0106	Nancy Katz MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 1108	Discussion
0107	Nancy Katz MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
0108	Nancy Katz MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 MMH 3418	Discussion

0109	Nancy Katz MW 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JMZ 0122	Discussion
0110	Nancy Katz MW 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 HBK 1112	Discussion
0111	Nancy Katz MW 1:00pm - 1:50pm Tu 12:30pm - 1:20pm *Recommended for NFSC majors only.*	Seats (Total: 25) TYD 0130 MMH 0108	Discussion
0112	Nancy Katz MW 1:00pm - 1:50pm W 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
0113	Nancy Katz MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 ARM 0121	Discussion
0114	Nancy Katz MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 25) TYD 0130 EGR 2116	Discussion
0116	Nancy Katz MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 ARM 0120	Discussion
0117	Nancy Katz MW 1:00pm - 1:50pm W 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 KEY 0119	Discussion
0118	Nancy Katz MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 ARM 0103	Discussion
FC01	Nancy Katz MW 4:30pm - 5:20pm F 11:30am - 12:20pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1130 EGR 3114	Discussion

FC02	Nancy Katz MW 4:30pm - 5:20pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1130 EGR 3114	Discussion
FC03	Nancy Katz MW 4:30pm - 5:20pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1130 EGR 3114	Discussion

NFSC100H **Elements of Nutrition**

NFSC100H Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
For general honors students only.

0101	Nancy Katz MW 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	Seats (Total: 12) TYD 0130 MMH 3112	Discussion

NFSC112 **Food: Science and Technology**

NFSC112 Food: Science and Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Introduction to the realm of food science, food technology and food processing. An overview of the largest industry in the U.S. with emphasis on the science of food and the technology of food preservation from harvest through processing and packaging to distribution and consumer utilization.

0101	Yangming Lo MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 30) JMZ 0220 MMH 0108	Discussion
0102	Yangming Lo MW 10:00am - 10:50am Th 4:00pm - 4:50pm	Seats (Total: 30) JMZ 0220 MMH 0108	Discussion
0103	Yangming Lo MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 30) JMZ 0220 MMH 3418	Discussion

0104	Yangming Lo MW 10:00am - 10:50am F 3:00pm - 3:50pm	Seats (Total: 30) JMZ 0220 MMH 0108	Discussion
0105	Yangming Lo MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 30) JMZ 0220 WDS 1130	Discussion
0106	Yangming Lo MW 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 30) JMZ 0220 JMZ 3205	Discussion

NFSC350 **Foodservice Operations**

NFSC350 *(PermReq)* **Foodservice Operations; (5 credits)** Grade Method: REG. *Prerequisite: NFSC250. Pre- or corequisite: BSCI223. Corequisite: BMGT364. For Dietetics majors only.* Introduction to management. Responsibilities in quantity food production and purchasing in a foodservice operation. Laboratory experience in planning, preparation, and service of meals which meet the nutritional needs of the consumer.

0101	Margaret Wrobleski TuTh 4:00pm - 5:15pm Tu 8:00am - 1:30pm	Seats (Total: 9) KEY 0125 MMH 3108	Lab
0102	Margaret Wrobleski TuTh 4:00pm - 5:15pm Th 8:00am - 1:30pm	Seats (Total: 9) KEY 0125 MMH 3108	Lab

NFSC380 **Methods of Nutritional Assessment**

NFSC380 Methods of Nutritional Assessment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: NFSC315. Corequisite: BCHM461. For NFSC majors only. Methods of assessing human nutritional status of populations and individuals. These methods include dietary, anthropometric, clinical evaluations and biochemical measurements.

0101	Margaret Wrobleski MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 15) MMH 0108 SKN 0101	Lab

0102	Margaret Wrobleski	Seats (Total: 15)	
	MW 1:00pm - 1:50pm	MMH 0108	
	W 2:00pm - 5:00pm	SKN 0101	Lab

NFSC386 **Experiential Learning**

NFSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Formerly FDSC386 and NUTR386. Junior standing.

Contact department for information to register for this course.

NFSC399 **Special Problems in Food Science**

NFSC399 *(PermReq)* **Special Problems in Food Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC421 **Food Chemistry**

NFSC421 *(PermReq)* **Food Chemistry; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461.* Basic chemical and physical concepts are applied to the composition and properties of foods. Emphasis on the relationship of processing technology to the keeping quality, nutritional value, and acceptability of foods.

0101	Liangli Yu	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	TYD 2108	

NFSC422 **Food Product Research and Development**

NFSC422 Food Product Research and Development; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: permission of department. Senior standing. For FDSC majors only. Formerly FDSC422. A capstone course for FDSC majors. A study of the research and development of new food products. Application of food technology, engineering, safety and packaging are integrated by teams of students to develop a new food product from concept to pilot plant scale-up. Students will travel to nearby food processing plants on two to four Saturdays during the semester.

0101	Qin Wang	Seats (Total: 15)	
	W 10:00am - 10:50am	SKN 1115	
	F 1:00pm - 5:00pm	MMH 3419	Lab

NFSC423 **Food Chemistry Laboratory**

NFSC423 Food Chemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: NFSC421. Analysis of the major and minor constituents of food using chemical, physical and instrumental methods in concordance with current food industry and regulatory practices. Laboratory exercises coincide with lecture subjects in NFSC421.

0101	Liangli Yu	Seats (Total: 15)	
	Th 8:30am - 9:20am	SKN 0101	
	Th 9:30am - 12:20pm	MMH 3419	Lab

NFSC440 **Advanced Human Nutrition**

NFSC440 *(PermReq)* **Advanced Human Nutrition; (4 credits)** Grade Method: REG.
Prerequisites: NFSC100 or NFSC200; and BCHM462; and BSCI440. A critical study of physiologic, molecular and metabolic influences on utilization of carbohydrates, lipids, proteins, vitamins, macro-and micro- minerals, and nonnutritive components of food. Interactions of these nutrients and food components will be examined relative to maintaining health. Also offered as NFSC 678R.

0101	David Lei	Seats (Total: 75)	
	TuTh 2:00pm - 3:40pm	PLS 1140	

NFSC490 **Special Problems in Nutrition**

NFSC490 *(PermReq)* **Special Problems in Nutrition; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: NFSC440 and permission of department. Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC498 **Selected Topics**

NFSC498 *(PermReq)* **Selected Topics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

NFSC498A *(PermReq)* **Selected Topics: Individual Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC610 **Molecular Gerontology**

NFSC610 Molecular Gerontology; (3 credits) Grade Method: REG/AUD.
Prerequisite: BCHM461 or BCHM463; or equivalent; or permission of department. Recommended: BCHM462 or BCHM465. This course is designed to acquaint the students with current knowledge of the molecular aspect of the aging process, with focuses on the genome, mechanisms of age-related degeneration, and molecular nutrition.

0101	Wen Hsing Cheng	Seats (Total: 15)
	Th 11:00am - 1:45pm	MMH 3112

NFSC660 **Research Methods**

NFSC660 Research Methods; (3 credits) Grade Method: REG/AUD.
Prerequisite: a statistics course. Formerly NUTR 660. A study of appropriate research methodology and theories including experimental design. Each student is required to develop a specimen research proposal.

0101	David Lei TuTh 9:30am - 10:45am	Seats (Total: 12) SKN 0101

NFSC678A **Selected Topics in Nutrition**

NFSC678A Selected Topics in Nutrition; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC678I **Selected Topics in Nutrition; Integrated Food Science Topics**

NFSC678I Selected Topics in Nutrition: Integrated Food Science Topics; (2 credits) Grade Method: REG/AUD.

0101	Yangming Lo F 2:00pm - 4:00pm	Seats (Total: 25) SKN 0101

NFSC678R **Selected Topics in Nutrition; Advanced Human Nutrition**

NFSC678R Selected Topics in Nutrition: Advanced Human Nutrition; (4 credits) Grade Method: REG/AUD.
Also offered as NFSC 440.

0101	David Lei TuTh 2:00pm - 3:40pm	Seats (Total: 75) PLS 1140

NFSC688 **Seminar in Nutrition; Seminar in Nutrition**

NFSC688 Seminar in Nutrition: Seminar in Nutrition; (1-3 credits) Grade Method: REG/AUD.

0101	Wen Hsing Cheng W 12:00pm - 12:50pm	Seats (Total: 12) MMH 3418

NFSC699 **Problems in Nutrition and Food Science**

NFSC699 *(PermReq)* **Problems in Nutrition and Food Science; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

NFSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC888 **Doctoral Seminar; Doctoral Seminar**

NFSC888 Doctoral Seminar: Doctoral Seminar; (1 credit) Grade Method: REG/AUD.

0101	Wen Hsing Cheng	Seats (Total: 15)
	W 12:00pm - 12:50pm	MMH 3418

NFSC898 **Pre-Candidacy Research**

NFSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

NFSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS Persian Fall 2009

PERS101 **Elementary Persian I**

PERS101 Elementary Persian I; (4 credits) Grade Method: REG/P-F/AUD.
Not open to native/fluent speakers of Persian. Credit will be granted for only one of the following: PERS101 or FOLA138K. Formerly FOLA138K. Introduction to the alphabet, pronunciation patterns, greetings, basic structures, and other fundamentals, with emphasis on oral and aural skills.

0101	Delaram Soltani MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 20) JMZ 0205 JMZ 1117
0102	Shahla Mostafavi MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 20) SQH 1101 JMZ 0208

PERS201 **Intermediate Persian I**

PERS201 Intermediate Persian I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native/fluent speakers of Persian. Prerequisite: PERS102 or equivalent. Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities.

0101	Delaram Soltani MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 0205

PERS211 **Intermediate Conversation**

PERS211 Intermediate Conversation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PERS102 or equivalent. Recommended: PERS201 taken concurrently. Development of aural and oral skills in Persian. Various genres and registers of speech. Special focus on contemporary daily life, with use of up-to-date media sources.

0101	Delaram Soltani MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 14) JMZ 2122 JMZ 3122

PERS251 **Modern Iran**

PERS251 Modern Iran; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
General sociopolitical introduction to modern Iran from establishment of the Qajar dynasty in the late 18th century to the present day. Taught in English.

0101	Ahmad Moussavi	Seats (Total: 35)
	MWF 1:00pm - 1:50pm	JMZ 2206

PERS301 **Advanced Persian I**

PERS301 Advanced Persian I; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native/fluent speakers of Persian. Prerequisite: PERS202 or permission of department. Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities, especially reading.

0101	Ali Abasi	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	HBK 0115

PERS311 **Persian Media**

PERS311 Persian Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PERS301 or equivalent. Examines issues, values, institutions of the contemporary Persian and Persianate world, primarily through analysis and discussion of current events as reported in the written and audiovisual press. While focus will be on content, students will continue their acquisition of Persian through exercises and activities designed for their level of competency.

0101	Ali Abasi	Seats (Total: 15)
	MWF 11:00am - 11:50am	CHE 2116

PERS371 **Introduction to Persian Literature in Translation**

PERS371 Introduction to Persian Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Introduction to classical and modern canons of Persian literature in historical, esthetic, and social context. Taught in English.

0101	Ahmad Karimi-Hakkak	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	JMZ 2206

PERS399 **Directed Study in Persian**

PERS399 *(PermReq)* **Directed Study in Persian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS411 **Readings in Iranian Islam**

Contact department for information to register for this course.

PERS601 **Modern Persian Literature**

Contact department for information to register for this course.

PERS611 **Practicum in Translation and Interpreting**

PERS611 Practicum in Translation and Interpreting; (3 credits) Grade Method: REG.

Prerequisite: permission of department. Analysis, translation, and interpreting of literary, expository, and oral texts, mainly from English to Persian. Focus on interdependence of language, context and culture. In Persian and English.

PC01	Nahal Akbari-Saneh	Seats (Total: 15)
	W 9:00am - 12:00pm	Location: TBA

PERS641 **Iranian Media and International Relations**

PERS641 Iranian Media and International Relations; (3 credits) Grade Method: REG.

Prerequisite: permission of department. Political interests and diplomatic positions of Iran in the contemporary international context as reflected in its print and electronic media. In Persian.

PC01	Hadi Golkar	Seats (Total: 15)
	F 9:00am - 12:00pm	Location: TBA

PERS689 **Special Topics in Persian Studies**

PERS689 Special Topics in Persian Studies; (3 credits) Grade Method: REG/AUD.

2910	Ahmad Karimi-Hakkak Contact instructor or department for details.	Seats (Total: 5)	
PC01	Nahal Akbari-Saneh Tu 9:00am - 12:00pm	Seats (Total: 15) Location: TBA	

PERS689A **Special Topics in Persian Studies; Current Affairs in the Persian-Speaking World**
Contact department for information to register for this course.

PERS689B **Special Topics in Persian Studies**
Contact department for information to register for this course.

PHIL Philosophy Fall 2009

PHIL100 **Introduction to Philosophy**

PHIL100 Introduction to Philosophy; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101	Paul Pietroski TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) MMH 1400 SKN 1115	Discussion
0102	Paul Pietroski TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) MMH 1400 JRN 1105	Discussion
0103	Paul Pietroski TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) MMH 1400 JRN 1105	Discussion
0104	Paul Pietroski TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) MMH 1400 JMZ 2120	Discussion
0105	Paul Pietroski TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) MMH 1400 TYD 2102	Discussion

0106	Paul Pietroski TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) MMH 1400 TYD 1102	Discussion
0201	Leland Saunders MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 SYM 0209	Discussion
0202	Leland Saunders MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 HBK 0105	Discussion
0203	Leland Saunders MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 ARM 0103	Discussion
0204	Leland Saunders MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 TYD 2106	Discussion
0205	Leland Saunders MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TYD 1114	Discussion
0206	Leland Saunders MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 SKN 1115	Discussion
0207	Leland Saunders MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 ASY 3215	Discussion
0208	Leland Saunders MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TYD 1132	Discussion
0209	Leland Saunders MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 HBK 0123	Discussion

PHIL140 Contemporary Moral Issues

PHIL140 Contemporary Moral Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101	Christopher Morris TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 8) SKN 0200 PHY 1219	Discussion
0102	Christopher Morris TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 6) SKN 0200 KEY 0126	Discussion
0103	Christopher Morris TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 11) SKN 0200 ASY 3219	Discussion
0104	Christopher Morris TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 12) SKN 0200 PHY 0405	Discussion
0105	Christopher Morris TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 6) SKN 0200 ARM 0121	Discussion
0106	Christopher Morris TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 8) SKN 0200 TYD 1132	Discussion
0107	Christopher Morris TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 13) SKN 0200 SKN 1115	Discussion
0108	Christopher Morris TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 KEY 0121	Discussion
0109	Christopher Morris TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 TYD 2102	Discussion

0201	Matthew King MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 KEY 0124	Discussion
0202	Matthew King MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 TYD 2110	Discussion
0203	Matthew King MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 TYD 1114	Discussion
0204	Matthew King MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 MTH 0102	Discussion
0205	Matthew King MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 ARM 0110	Discussion
0206	Matthew King MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 TYD 2110	Discussion
0207	Matthew King MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 SKN 1112	Discussion
0208	Matthew King MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 MTH 0101	Discussion
0209	Matthew King MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 KEY 0120	Discussion
FC01	Michael Tetzlaff MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) PLS 1113	

FC02	Wesley Van Camp TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) KEY 0103	
FC03	Ruth Kastner TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) CSS 1113	
FC04	Wei Zhang MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) KEY 0125	
FC05	Wesley Van Camp TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 31) MMH 0108	
FC06	Dimiter Kirilov TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) ARM 0105	

PHIL140U **Contemporary Moral Issues**

PHIL140U Contemporary Moral Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.

0101	Christopher Morris TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 0) SKN 0200 PHY 1219	Discussion
0102	Christopher Morris TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 0) SKN 0200 KEY 0126	Discussion
0103	Christopher Morris TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 0) SKN 0200 ASY 3219	Discussion
0104	Christopher Morris TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 13) SKN 0200 PHY 0405	Discussion

0105	Christopher Morris TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 0) SKN 0200 ARM 0121	Discussion
0106	Christopher Morris TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 0) SKN 0200 TYD 1132	Discussion
0107	Christopher Morris TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 0) SKN 0200 SKN 1115	Discussion

PHIL170 **Introduction to Logic**

PHIL170 Introduction to Logic; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

0101	Erin Eaker MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TLF 1101	Discussion
0102	Erin Eaker MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 BPS 0283	Discussion
0103	Erin Eaker MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 JMZ 2122	Discussion
0104	Erin Eaker MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 KEY 1117	Discussion
0105	Erin Eaker MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 LEF 1201	Discussion

0106	Erin Eaker MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 2109	Discussion
0107	Erin Eaker MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 KEY 0102	Discussion
0108	Erin Eaker MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 0101	Discussion
0109	Erin Eaker MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 KEY 0125	Discussion

PHIL209Y **Philosophical Issues; Truth and Reality**
Contact department for information to register for this course.

PHIL230 **Philosophy of the Arts**

PHIL230 Philosophy of the Arts; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
A survey of theoretical perspectives on the arts from Plato to the present, along with critical examination of specific works of art. Analysis of concepts central to thought about art, such as beauty, form, content, expression, representation, interpretation, creation, style, medium, realism, aesthetic experience, and aesthetic value.

0101	Jerrold Levinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 EDU 2119	Discussion
0102	Jerrold Levinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 SQH 1101	Discussion
0103	Jerrold Levinson MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 TLF 1103	Discussion

PHIL234 **Fundamental Concepts of Judaism**

PHIL234 Fundamental Concepts of Judaism; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Also offered as JWST250. Not open to students who have completed JWST250. Credit will be granted for only one of the following: PHIL234 or JWST250. A conceptional introduction to Judaism, analyzing its fundamental concepts from both analytical and historical perspectives. Discussion of "normative" Judaism as well as other conceptions of Judaism. Topics include: God, the Jewish people, authority, ethics, the sacred and the profane, particularism and universalism.

0101	Charles Manekin MW 2:00pm - 3:15pm	Seats (Total: 20) ASY 3215	

PHIL236 **Philosophy of Religion**

PHIL236 Philosophy of Religion; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A philosophical study of some of the main problems of religious thought: the nature of religious experience, the justification of religious belief, the conflicting claims of religion and science, and the relation between religion and morality.

0101	Benedicte Veillet TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 SKN 0104	 Discussion
0102	Benedicte Veillet TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 SQH 2117	 Discussion
0103	Benedicte Veillet TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 TWS 0201	 Discussion

PHIL245 **Political and Social Philosophy I**

PHIL245 Political and Social Philosophy I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A critical examination of such classical political theories as those of Plato, Hobbes, Locke, Rousseau, Mill, Marx, and such contemporary theories as those of Hayek, Rawls, and recent Marxist thinkers.

0101	Matthew King MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 ARM 0101	Discussion
0102	Matthew King MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 HJP 1229	Discussion
0103	Matthew King MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 HZF 0101	Discussion

PHIL261 **Philosophy of the Environment**

PHIL261 Philosophy of the Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who have completed HONR218F or PHIL209N. Formerly HONR218F. An evaluation of different kinds of arguments for the claim that the natural environment should be preserved. Perspectives cut across the disciplines of philosophy (environmental ethics and philosophies of nature); economics (cost-benefit analysis); and biology (evolution, ecology, environmental studies).

0101	Lindley Darden TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 MTH 0102	Discussion
0102	Lindley Darden TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 MTH 0101	Discussion
0103	Lindley Darden TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 MTH 0102	Discussion

PHIL308C **Studies in Contemporary Philosophy; Philosophy and Feminism**

PHIL308C Studies in Contemporary Philosophy: Philosophy and Feminism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two courses in philosophy.

0101	Susan Dwyer MW 2:00pm - 3:15pm	Seats (Total: 30) SKN 1115	

PHIL308Y **Studies in Contemporary Philosophy; Philosophy and World Religions**
Contact department for information to register for this course.

PHIL310 **Ancient Philosophy**

PHIL310 Ancient Philosophy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credit hours in philosophy or classics.* A study of the origins and development of philosophy and science in ancient Greece, focusing on the pre-Socratics, Socrates, Plato, and Aristotle.

0101	Rachel Singpurwalla TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 TYD 2108	 Discussion
0102	Rachel Singpurwalla TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 TLF 1101	 Discussion
0103	Rachel Singpurwalla TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 SKN 0104	 Discussion

PHIL320 **Modern Philosophy**

PHIL320 Modern Philosophy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credit hours in philosophy.* A study of major philosophical issues of the 16th, 17th, and 18th centuries through an examination of such philosophers as Descartes, Newton, Hume, and Kant.

0101	Charles Manekin MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TWS 1100 TWS 0221	 Discussion
0102	Charles Manekin MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TWS 1100 TWS 0236	 Discussion

0103	Charles Manekin MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TWS 1100 TWS 0221	 Discussion

PHIL332 **Philosophy of Beauty**

PHIL332 Philosophy of Beauty; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: three courses in philosophy or permission of department.* Philosophical theories, historical and contemporary, of beauty, sublimity, and other aesthetic qualities, of aesthetic experience, and of aesthetic judgment.

0101	John Brown TuTh 12:30pm - 1:45pm	Seats (Total: 30) SKN 1115	

PHIL341 **Ethical Theory**

PHIL341 Ethical Theory; (3 credits) Grade Method: REG. *Prerequisite: six credit hours in philosophy. Junior standing.* A critical examination of classical and contemporary systems of ethics, such as those of Aristotle, Kant, Mill, and Rawls.

0101	Patricia Greenspan MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 MTH 0303	 Discussion
0102	Patricia Greenspan MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 1102 MMH 3418	 Discussion
0103	Patricia Greenspan MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 LEF 1220	 Discussion

PHIL360 **Philosophy of Language**

PHIL360 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Two courses in philosophy, one of which must be PHIL170, PHIL173, or PHIL370; or permission of department.* An inquiry into the nature and function of language and other forms of symbolism.

0101	Alexander Williams TuTh 9:30am - 10:45am	Seats (Total: 30) SQH 2117

PHIL366 **Philosophy of Mind**

PHIL366 Philosophy of Mind; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy. Not open to students who have completed PHIL380. An introduction to core issues in the philosophy of mind, focusing especially on the basic metaphysical question of dualism versus physicalism.

0101	Georges Rey TuTh 2:00pm - 3:15pm	Seats (Total: 30) SKN 1115

PHIL370 **Symbolic Logic**

PHIL370 Symbolic Logic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHIL170 or CMSC250; or permission of department. Not open to students who have completed PHIL271 or PHIL371. Credit will be granted for only one of the following: PHIL271, PHIL370 or PHIL371. A review of propositional and predicate logic and related topics and an introduction to the semantics and metatheory of first-order logic.

0101	Jeffrey Bub TuTh 11:00am - 12:15pm	Seats (Total: 25) SKN 1115

PHIL386 **Experiential Learning**

PHIL386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

Contact department for information to register for this course.

PHIL408D **Topics in Contemporary Philosophy; Decision and Game Theory**

PHIL408D Topics in Contemporary Philosophy: Decision and Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: six hours in philosophy.

0101	Christopher Morris	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	SKN 1112

PHIL408N **Topics in Contemporary Philosophy; Necessity and Possibility**

PHIL408N Topics in Contemporary Philosophy: Necessity and Possibility; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: six hours in philosophy.

0101	Erin Eaker	Seats (Total: 25)
	TuTh 9:30am - 10:45am	SKN 1115

PHIL408P **Topics in Contemporary Philosophy; Personal Identity and Contemplation**

PHIL408P Topics in Contemporary Philosophy: Personal Identity and Contemplation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: six hours in philosophy.

0101	Allen Stairs	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	PLS 1115

PHIL408Y **Topics in Contemporary Philosophy; Philosophy of Science II**
Contact department for information to register for this course.

PHIL412 **The Philosophy of Plato**

PHIL412 The Philosophy of Plato; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: nine credit hours in philosophy. A critical study of selected dialogues.

0101	Rachel Singpurwalla	Seats (Total: 25)
	TuTh 9:30am - 10:45am	SKN 1112

PHIL440 **Contemporary Ethical Theory**

PHIL440 Contemporary Ethical Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHIL341 or permission of instructor.* Contemporary work on fundamental problems in ethical theory, such as whether there are moral truths, whether and how our moral claims can be justified, what exactly makes an act right or wrong, the nature of moral language, and the role of reason and emotion in moral judgment.

0101	Dan Moller MW 2:00pm - 3:15pm	Seats (Total: 25) SKN 1112

PHIL481 **Philosophy of Psychology: Representation**

PHIL481 Philosophy of Psychology: Representation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy; one of which must be PHIL280 or PHIL366. Semantics and representations within computational framework: intentionality, explicit vs. implicit representation, syntax vs. semantics of thought, connectionist approaches, images, classical vs. prototype theories of concepts.

0101	Georges Rey TuTh 11:00am - 12:15pm	Seats (Total: 25) SKN 1112

PHIL484 **Reason, Self and Will**

PHIL484 Reason, Self and Will; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy courses, at least one 300-level or above; or permission of department. Issues in philosophy of mind, ethics, and neighboring areas of psychology and related fields concerning such topics as: autonomy, freedom of action, free will; weakness of will and practical reasoning; the nature of the self or person; the sources of moral motivation.

0101	Patricia Greenspan M 3:30pm - 6:00pm	Seats (Total: 25) SKN 1115

PHIL498F **Topical Investigations; Topical Investigation**

PHIL498F *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498G **Topical Investigations; Topical Investigation**

PHIL498G *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL640 **Value Theory**

PHIL640 Value Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: Graduate status in philosophy or permission of department. A basic course in value theory for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area.

0101	Dan Moller	Seats (Total: 15)
	Tu 2:00pm - 4:30pm	SKN 1116

PHIL688P **Selected Problems in Philosophy; Proseminar in Politics, Philosophy and Public Policy**

PHIL688P Selected Problems in Philosophy: Proseminar in Politics, Philosophy and Public Policy; (3 credits) Grade Method: REG/AUD.
Also offered as PUAF698E.

0101	Karol Soltan, Alec Walen	Seats (Total: 15)
	Tu 12:30pm - 3:15pm	VMH 1107

PHIL788G **Research in Philosophy; Research in Philosophy**

PHIL788G *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL788I **Research in Philosophy; Research in Philosophy**

PHIL788I *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL799 **Master's Thesis Research; Masters Thesis Research**

PHIL799 Master's Thesis Research: Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL838A **Seminar in Aesthetics; Aesthetics**

PHIL838A Seminar in Aesthetics: Aesthetics; (3 credits) Grade Method: REG/AUD.

0101	Jerrold Levinson M 2:00pm - 4:30pm	Seats (Total: 15) SKN 1116

PHIL848C **Seminar in Ethics; Moral Cognition**

PHIL848C Seminar in Ethics: Moral Cognition; (3 credits) Grade Method: REG/AUD.

0101	Susan Dwyer M 5:00pm - 7:30pm	Seats (Total: 15) SKN 1116

PHIL858M **Seminar in Logic and Philosophy of Sciences; Mechanisms**

PHIL858M Seminar in Logic and Philosophy of Sciences: Mechanisms; (3 credits) Grade Method: REG/AUD.

0101	Lindley Darden Tu 5:00pm - 7:30pm	Seats (Total: 15) SKN 1116

PHIL858Q **Seminar in Logic and Philosophy of Sciences; Philosophy of Physics**

PHIL858Q Seminar in Logic and Philosophy of Sciences: Philosophy of Physics; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Bub	Seats (Total: 15)
	Th 2:00pm - 4:30pm	SKN 1116

PHIL888 **Professional Mentoring for Doctoral Students**

PHIL888 Professional Mentoring for Doctoral Students; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL889 **Pedagogical Mentoring for Doctoral Students**

PHIL889 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

PHIL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL899 **Doctoral Dissertation Research; Doctoral Dissertation Research**

PHIL899 *(PermReq)* **Doctoral Dissertation Research: Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS Physics Fall 2009

PHYS101 **Contemporary Physics - Revolutions in Physics**

Students should attend physics lab and discussion sections during the first week of class, unless directed to do otherwise by the course instructor.

PHYS101 Contemporary Physics - Revolutions in Physics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: eligibility for placement in MATH140 or MATH220. Not open to students who have completed PHYS111. For non-science students who are interested in the evolution of scientific thought and its present day significance. Historical, philosophic, experimental and theoretical aspects of physics are presented. Topics in mechanics, relativity, electricity and magnetism, and nuclear physics are covered.

0101	Roald Sagdeev TuTh 3:30pm - 4:45pm Tu 9:30am - 10:20am	Seats (Total: 24) CSS 2324 PHY 1219	Discussion
0102	Roald Sagdeev TuTh 3:30pm - 4:45pm Tu 2:00pm - 2:50pm	Seats (Total: 24) CSS 2324 PHY 0405	Discussion

PHYS102 **Physics of Music**

PHYS102 Physics of Music; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with PHYS103. Prerequisite: Placement in MATH110 or higher. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Credit will be granted for only one of the following: PHYS102 and PHYS499C. A study of the physical basis of sound, acoustical properties of sound, the human ear and voice, reproduction of sound, electronic music, acoustical properties of auditoriums, and other selected topics.

0101	Alan Peel TuTh 9:30am - 10:45am	Seats (Total: 150) PHY 1410	

PHYS103 **Physics of Music Laboratory**

PHYS103 Physics of Music Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 102. Pre- or corequisite: PHYS102. Credit not applicable towards the minimum requirements for a major in physics and astronomy.* Optional laboratory to accompany PHYS 102. Laboratory experiments, including the velocity of sound, sound quality and wave shape, traveling and standing waves, fourier synthesis and analysis, musical synthesizer, psychoacoustics, and audio equipment.

0101	Oscar Greenberg Th 11:00am - 12:50pm	Seats (Total: 15) PHY 3213	Lab
0201	Oscar Greenberg Th 1:00pm - 2:50pm	Seats (Total: 15) PHY 3213	Lab
0301	Oscar Greenberg Th 3:30pm - 5:20pm	Seats (Total: 15) PHY 3213	Lab
0401	Oscar Greenberg F 10:00am - 11:50am *Recommended for First-Year students.*	Seats (Total: 15) PHY 3213	Lab
0501	Oscar Greenberg F 12:00pm - 1:50pm	Seats (Total: 15) PHY 3213	Lab
0601	Oscar Greenberg F 2:00pm - 3:50pm	Seats (Total: 15) PHY 3213	Lab
0701	Oscar Greenberg W 3:00pm - 5:00pm	Seats (Total: 15) PHY 3213	Lab
0801	Oscar Greenberg W 1:00pm - 2:50pm	Seats (Total: 15) PHY 3213	Lab

PHYS104 How Things Work: Science Foundations

PHYS104 How Things Work: Science Foundations; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: Placement in MATH110 or higher. This is a course with a non-mathematical emphasis designed to study the basics of mechanical, electrical, and optical devices that are commonly found in the world around us. The general approach would be to look inside things to observe how they work.

0201	Theodore Jacobson MWF 2:00pm - 2:50pm	Seats (Total: 66) PHY 1410	

PHYS105 **Physics for Decision Makers: Global Energy Crisis**

PHYS105 Physics for Decision Makers: Global Energy Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
This marquee course will consider the global energy crisis from a scientific perspective. Topics include basic laws of energy and thermodynamics, their effects on energy production and distribution, greenhouse gas, global warming and policy options for decision makers. This course is aimed at the non-science major. In this marquee course, we will take a scientific perspective to study with questions related to the global energy crisis: What is energy? What are the basic laws of thermodynamics, and how do they constrain our understanding of energy production? How is electricity produced and distributed? What is a greenhouse gas? With an understanding of these facts, we will then address more difficult questions. What options exist for addressing global warming? This course will give tomorrow's decision makers the basic tools needed to make informed, rational choices about the world's future energy policy. The course is aimed at the non-science major.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Steven Rolston, Jordan Goodman TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 20) PHY 1412 PHY 1402	 Discussion
0102	Steven Rolston, Jordan Goodman TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 20) PHY 1412 PHY 1402	 Discussion

0104	Steven Rolston, Jordan Goodman TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) PHY 1412 PHY 1402	 Discussion
0105	Steven Rolston, Jordan Goodman TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 20) PHY 1412 PHY 1402	 Discussion
0106	Jordan Goodman, Steven Rolston TuTh 12:30pm - 1:45pm F 3:00pm - 3:50pm	Seats (Total: 20) PHY 1412 PHY 1402	 Discussion

PHYS105H **Physics for Decision Makers: Global Energy Crisis**

PHYS105H Physics for Decision Makers: Global Energy Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.

0103	Steven Rolston, Jordan Goodman TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) PHY 1412 PHY 1402	 Discussion

PHYS106 **Light, Perception, Photography, and Visual Phenomena**

PHYS106 Light, Perception, Photography, and Visual Phenomena; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 107. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Intended for the general student, this course will cover topics in optics which require minimal use of mathematics. Principles of optics, lenses, cameras, lasers and holography, physics of the eye, color vision and various visual phenomena such as rainbows.

0101	Matthew Bobrowsky MWF 2:00pm - 2:50pm	Seats (Total: 160) PHY 1412	

PHYS107 **Light, Perception, Photography and Visual Phenomena Laboratory**

PHYS107 Light, Perception, Photography and Visual Phenomena Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 106. Pre- or corequisite: PHYS106. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Optional laboratory to accompany PHYS106. Laboratory experiments include geometrical optics (lenses, cameras, eye), optical instruments (telescope, binoculars), photography, perception, color phenomena, and wave phenomena.

0101	Suresh Tonwar Tu 9:00am - 10:50am *Recommended for First Year students.*	Seats (Total: 24) PHY 3214	Lab
0201	Suresh Tonwar Tu 2:00pm - 3:50pm *Recommended for First Year students.*	Seats (Total: 24) PHY 3214	Lab
0501	Suresh Tonwar W 12:00pm - 1:50pm	Seats (Total: 24) PHY 3214	Lab
0701	Suresh Tonwar Th 10:00am - 11:50am	Seats (Total: 24) PHY 3214	Lab
0801	Suresh Tonwar Th 2:00pm - 3:50pm	Seats (Total: 24) PHY 3214	Lab

PHYS115 **Inquiry into Physics**

PHYS115 Inquiry into Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Recommended: High school physics. For elementary education, early childhood majors only. Not open to students who have completed PHYS117. Credit will be granted for only one of the following: PHYS115 or PHYS117. Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

0101	Kara Hoffman MTuW 2:00pm - 4:00pm	Seats (Total: 20) PHY 3316	Lab

0201	Erin Rericha MTuW 10:00am - 11:50am	Seats (Total: 20) PHY 3316	 Lab

PHYS121 **Fundamentals of Physics I**

PHYS121 Fundamentals of Physics I; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: MATH112 or MATH115. The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools. Physics clinic, PHY 1214, MTWHF 11,1. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Douglas Hamilton MWF 10:00am - 10:50am W 5:00pm - 6:50pm W 4:00pm - 4:50pm	Seats (Total: 24) PHY 1412 PHY 3306 PHY 3301	 Lab Discussion
0102	Douglas Hamilton MWF 10:00am - 10:50am M 4:00pm - 5:50pm M 3:00pm - 3:50pm	Seats (Total: 24) PHY 1412 PHY 3306 PHY 3301	 Lab Discussion
0103	Douglas Hamilton MWF 10:00am - 10:50am Tu 11:00am - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 24) PHY 1412 PHY 3306 PHY 3301	 Lab Discussion
0104	Douglas Hamilton MWF 10:00am - 10:50am Tu 1:00pm - 2:50pm Tu 12:00pm - 12:50pm	Seats (Total: 24) PHY 1412 PHY 3306 PHY 3301	 Lab Discussion
0105	Douglas Hamilton MWF 10:00am - 10:50am W 1:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 24) PHY 1412 PHY 3306 PHY 3301	 Lab Discussion

0106	Douglas Hamilton	Seats (Total: 24)	
	MWF 10:00am - 10:50am Th 9:00am - 10:50am Th 8:00am - 8:50am	PHY 1412 PHY 3306 PHY 3301	 Lab Discussion
0107	Douglas Hamilton	Seats (Total: 24)	
	MWF 10:00am - 10:50am M 12:00pm - 1:50pm M 11:00am - 11:50am	PHY 1412 PHY 3306 PHY 3301	 Lab Discussion
0108	Douglas Hamilton	Seats (Total: 24)	
	MWF 10:00am - 10:50am Th 1:00pm - 3:00pm Th 12:00pm - 12:50pm	PHY 1412 PHY 3306 PHY 3301	 Lab Discussion
0201	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm M 10:00am - 11:50am M 9:00am - 9:50am	PHY 1412 PHY 3306 PHY 3301	 Lab Discussion
0202	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm M 2:00pm - 3:50pm M 1:00pm - 1:50pm	PHY 1412 PHY 3306 PHY 3301	 Lab Discussion
0203	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm Tu 9:00am - 10:50am Tu 8:00am - 8:50am	PHY 1412 PHY 3306 PHY 3301	 Lab Discussion
0204	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm Tu 3:00pm - 4:50pm Tu 2:00pm - 2:50pm	PHY 1412 PHY 3306 PHY 3301	 Lab Discussion
0205	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm W 10:00am - 11:50am W 9:00am - 9:50am	PHY 1412 PHY 3306 PHY 3301	 Lab Discussion

0206	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	W 3:00pm - 4:50pm	PHY 3306	Lab
	W 1:00pm - 1:50pm	PHY 3301	Discussion
0207	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Th 11:00am - 12:50pm	PHY 3306	Lab
	Th 10:00am - 10:50am	PHY 3301	Discussion
0208	Edward Redish	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Th 3:00pm - 4:50pm	PHY 3306	Lab
	Th 2:00pm - 2:50pm	PHY 3301	Discussion
0401	Chuan Liu	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	M 8:00pm - 9:50pm	PHY 3306	Lab
	W 6:30pm - 7:20pm	PHY 3301	Discussion
0402	Chuan Liu	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	W 7:30pm - 9:20pm	PHY 3306	Lab
	M 6:30pm - 7:20pm	PHY 3301	Discussion
0403	Chuan Liu	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Tu 5:00pm - 6:50pm	PHY 3306	Lab
	Th 7:30pm - 8:20pm	PHY 3301	Discussion
0404	Chuan Liu	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	M 6:00pm - 7:50pm	PHY 3306	Lab
	M 5:00pm - 5:50pm	PHY 3301	Discussion

SEF1	Chuan Liu	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Th 7:30pm - 9:20pm	PHY 3306	Lab
	Tu 6:00pm - 6:50pm	PHY 3301	Discussion
SG91	George Sherwood	Seats (Total: 30)	
	TuTh 9:30am - 10:45am	SGII 2062	
	F 2:00pm - 4:50pm	Location: TBA	Lab
	F 1:00pm - 1:50pm	Location: TBA	Discussion
	Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove.		

PHYS122 **Fundamentals of Physics II**

PHYS122 Fundamentals of Physics II; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS121 or equivalent. A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools. Physics clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Satindar Bhagat	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	M 4:00pm - 5:50pm	PHY 3312	Lab
	M 3:00pm - 3:50pm	PHY 1219	Discussion
0102	Satindar Bhagat	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 10:00am - 11:50am	PHY 3312	Lab
	Tu 9:00am - 9:50am	PHY 4208	Discussion
0103	Satindar Bhagat	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 12:00pm - 1:50pm	PHY 3312	Lab
	Tu 11:00am - 11:50am	PHY 0405	Discussion
0104	Satindar Bhagat	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 2:00pm - 3:50pm	PHY 3312	Lab
	Tu 1:00pm - 1:50pm	PHY 4208	Discussion

0201	Satindar Bhagat TuTh 12:30pm - 1:45pm W 11:00am - 12:50pm W 9:00am - 9:50am	Seats (Total: 24) PHY 1410 PHY 3312 PHY 4220	 Lab Discussion
0202	Satindar Bhagat TuTh 12:30pm - 1:45pm M 12:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 24) PHY 1410 PHY 3312 PHY 1219	 Lab Discussion
0203	Satindar Bhagat TuTh 12:30pm - 1:45pm Th 9:00am - 10:50am Th 8:00am - 8:50am	Seats (Total: 24) PHY 1410 PHY 3312 PHY 1219	 Lab Discussion
0204	Satindar Bhagat TuTh 12:30pm - 1:45pm W 3:00pm - 4:50pm W 2:00pm - 2:50pm	Seats (Total: 24) PHY 1410 PHY 3312 MTH 0407	 Lab Discussion
0401	David Buehrle MW 7:00pm - 8:15pm Tu 7:30pm - 9:20pm Tu 6:30pm - 7:20pm	Seats (Total: 24) PHY 1201 PHY 3312 PHY 4208	 Lab Discussion
SEF1	David Buehrle MW 7:00pm - 8:15pm Th 7:30pm - 9:20pm Th 6:30pm - 7:20pm	Seats (Total: 24) PHY 1201 PHY 3312 PHY 4208	 Lab Discussion

PHYS141 Principles of Physics

PHYS141 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Corequisite: MATH141 or MATH221. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. The first of a two-semester series in general physics. The first semester covers the fields of mechanics, thermodynamics, and special relativity. This survey course will use calculus and is recommended for chemistry and zoology majors. It also satisfies the requirements of medical and dental schools. Physics clinics, PHY 1214, MTWHF 10,12. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0102	Arthur La Porta	Seats (Total: 26)	
	MWF 11:00am - 11:50am	PHY 1410	
	M 4:00pm - 5:50pm	PHY 3314	Lab
	M 3:00pm - 3:50pm	PHY 4208	Discussion
0103	Arthur La Porta	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 9:00am - 10:50am	PHY 3314	Lab
	Tu 8:00am - 8:50am	PHY 1402	Discussion
0104	Arthur La Porta	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 11:00am - 12:50pm	PHY 3314	Lab
	Tu 10:00am - 10:50am	PHY 0405	Discussion
0105	Arthur La Porta	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 2:00pm - 3:50pm	PHY 3314	Lab
	Tu 1:00pm - 1:50pm	PHY 0405	Discussion

PHYS142 Principles of Physics

PHYS142 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS141 or equivalent. Credit will be granted for only one of the following: PHYS142, PHYS260 and PHYS261 (formerly: PHYS262) or PHYS272. A continuation of PHYS141 covering waves, electricity and magnetism, optics and modern physics. Physics clinic PHY 1214, MTWHF 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Ki-Yong Kim	Seats (Total: 24)	
	MWF 3:00pm - 3:50pm	PHY 1201	
	Th 4:00pm - 5:50pm	PHY 3314	Lab
	Th 3:00pm - 3:50pm	PHY 4208	Discussion
0102	Ki-Yong Kim	Seats (Total: 24)	
	MWF 3:00pm - 3:50pm	PHY 1201	
	Th 12:00pm - 1:50pm	PHY 3314	Lab
	Th 11:00am - 11:50am	PHY 1219	Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

PHYS161 General Physics: Mechanics and Particle Dynamics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Pre- or corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation. Physics clinic, PHY 1214, MTWHF 11, 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Warren Huelsnitz	Seats (Total: 28)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	Tu 3:00pm - 3:50pm	PHY 1402	Discussion
0103	Warren Huelsnitz	Seats (Total: 28)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	F 10:00am - 10:50am	PHY 4208	Discussion

0104	Warren Huelsnitz MWF 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 28) PHY 1410 PHY 4208	Discussion
0201	Hailu Gebremariam TuTh 11:00am - 12:15pm Th 8:00am - 8:50am	Seats (Total: 28) PHY 1410 PHY 0405	Discussion
0202	Hailu Gebremariam TuTh 11:00am - 12:15pm Tu 2:00pm - 2:50pm	Seats (Total: 28) PHY 1410 PHY 1402	Discussion
0203	Hailu Gebremariam TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 28) PHY 1410 PHY 1219	Discussion
0301	Frederick Wellstood MWF 10:00am - 10:50am Th 3:00pm - 3:50pm	Seats (Total: 28) PHY 1410 PHY 1402	Discussion
0302	Frederick Wellstood MWF 10:00am - 10:50am Tu 4:00pm - 4:50pm	Seats (Total: 28) PHY 1410 PHY 1402	Discussion
0303	Frederick Wellstood MWF 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 28) PHY 1410 PHY 1402	Discussion

PHYS170 **Professional Physics Seminar**

PHYS170 Professional Physics Seminar; (1 credit) Grade Method: REG/P-F/AUD. *Corequisite: MATH140. Recommended: high school physics.* Provides a look at some of the major developments of current interest in physics research and discusses the activities physicists undertake in research, education, industry, government, and other areas of the economy.

0101	Robert Park W 12:00pm - 12:50pm	Seats (Total: 13) PHY 1305A	
0201	Robert Park M 12:00pm - 12:50pm	Seats (Total: 13) PHY 1305A	

PHYS171 **Introductory Physics: Mechanics and Relativity**

PHYS171 Introductory Physics: Mechanics and Relativity; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: MATH140 and a high school physics course or permission of department. Corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity. Also offered as PHYS 171H.

0201	Peter Shawhan	Seats (Total: 49)
	MTuThF 9:00am - 9:50am	PHY 1201

PHYS171H **Introductory Physics: Mechanics and Relativity**

PHYS171H *(PermReq)* **Introductory Physics: Mechanics and Relativity; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: MATH140 and a high school physics course or permission of department. Corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. Also offered as PHYS171.

0201	Peter Shawhan	Seats (Total: 49)
	MTuThF 9:00am - 9:50am	PHY 1201

PHYS174 **Physics Laboratory Introduction**

PHYS174 Physics Laboratory Introduction; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: MATH140. Recommended: high school physics. Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

0101	Robert Gammon W 9:00am - 10:50am	Seats (Total: 14) PHY 3115	Lab
0102	Robert Gammon W 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0103	Gregory Sullivan Th 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0104	Gregory Sullivan Th 9:00am - 10:50am	Seats (Total: 14) PHY 3115	Lab
0105	Arpita Upadhyaya W 12:00pm - 1:50pm	Seats (Total: 14) PHY 3115	Lab
0106	Arpita Upadhyaya Th 12:00pm - 2:00pm	Seats (Total: 14) PHY 3115	Lab
0107	Robert Gammon Tu 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0108	Arpita Upadhyaya Tu 10:00am - 11:50am	Seats (Total: 14) PHY 3115	Lab

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260 General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 261. Prerequisite: MATH141 and PHYS161. Corequisite: PHYS261. Credit will be granted for only one of the following: PHYS142; PHYS260 and PHYS 261 (Formerly: PHYS262) or PHYS272. Formerly PHYS262. Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Theodore Kirkpatrick MW 4:00pm - 5:15pm Tu 11:00am - 11:50am	Seats (Total: 28) PHY 1410 PHY 1219	Discussion
0102	Theodore Kirkpatrick MW 4:00pm - 5:15pm W 10:00am - 10:50am	Seats (Total: 28) PHY 1410 PHY 0405	Discussion
0103	Theodore Kirkpatrick MW 4:00pm - 5:15pm W 8:00am - 8:50am	Seats (Total: 28) PHY 1410 PHY 4220	Discussion
0201	Wendell Hill MW 3:00pm - 4:15pm Tu 8:00am - 8:50am	Seats (Total: 28) PHY 1412 PHY 0405	Discussion
0202	Wendell Hill MW 3:00pm - 4:15pm Tu 9:00am - 9:50am	Seats (Total: 28) PHY 1412 PHY 4220	Discussion
0203	Wendell Hill MW 3:00pm - 4:15pm Tu 11:00am - 11:50am	Seats (Total: 28) PHY 1412 PHY 4220	Discussion
0204	Wendell Hill MW 3:00pm - 4:15pm W 10:00am - 10:50am	Seats (Total: 28) PHY 1412 PHY 1219	Discussion
0301	Ayush Gupta TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm *Click here for more course information.*	Seats (Total: 28) PHY 1410 PHY 0405	Discussion
0302	Ayush Gupta TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 28) PHY 1410 PHY 1219	Discussion
0303	Ayush Gupta TuTh 2:00pm - 3:15pm Tu 12:00pm - 12:50pm	Seats (Total: 28) PHY 1410 PHY 1219	Discussion

0304	Ayush Gupta TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 28) PHY 1410 PHY 4208	 Discussion
0305	Ayush Gupta TuTh 2:00pm - 3:15pm Tu 1:00pm - 1:50pm	Seats (Total: 25) PHY 1410 PHY 1219	 Discussion
0401	Richard Ellis M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 29) PHY 1410 PHY 1410 PHY 4208	 Discussion
0402	Richard Ellis M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 29) PHY 1410 PHY 1410 PHY 4208	 Discussion
0403	Richard Ellis M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 29) PHY 1410 PHY 1410 PHY 4208	 Discussion
0404	Richard Ellis M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 29) PHY 1410 PHY 1410 PHY 1219	 Discussion

PHYS260H **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260H General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 261. Prerequisite: MATH141 and PHYS161. Corequisite: PHYS261. Credit will be granted for only one of the following: PHYS142; PHYS260 and PHYS 261 (Formerly: PHYS262) or PHYS272. Formerly PHYS262. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00 Click here for more course information.

0301	Ayush Gupta TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 20) PHY 1410 PHY 4208	 Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261 General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260. Corequisite: PHYS260. Formerly PHYS262A. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. Students must pay a $50.00 laboratory materials fee.

0101	Min Ouyang M 8:00am - 10:50am	Seats (Total: 24) PHY 3219	 Lab
0102	Min Ouyang M 12:00pm - 2:50pm	Seats (Total: 24) PHY 3219	 Lab
0103	Min Ouyang M 3:00pm - 5:50pm	Seats (Total: 27) PHY 3219	 Lab
0104	Min Ouyang Tu 10:00am - 12:50pm	Seats (Total: 24) PHY 3219	 Lab
0105	Min Ouyang Tu 1:00pm - 3:50pm	Seats (Total: 24) PHY 3219	 Lab
0106	Min Ouyang M 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	 Lab
0107	Min Ouyang Tu 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	 Lab
0108	Min Ouyang W 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	 Lab

0109	Min Ouyang W 8:00am - 10:50am	Seats (Total: 24) PHY 3219	Lab
0110	Min Ouyang Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3219	Lab
0111	Min Ouyang W 1:00pm - 3:50pm	Seats (Total: 24) PHY 3219	Lab
0112	Min Ouyang W 4:00pm - 6:50pm	Seats (Total: 24) PHY 3219	Lab
0113	Min Ouyang Th 8:00am - 10:50am	Seats (Total: 24) PHY 3219	
0114	Min Ouyang Th 11:00am - 1:50pm	Seats (Total: 24) PHY 3219	Lab
0115	Min Ouyang Tu 1:00pm - 3:50pm	Seats (Total: 24) PHY 3310	Lab
0116	Min Ouyang Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3310	Lab
0117	Min Ouyang Th 2:00pm - 4:50pm	Seats (Total: 24) PHY 3219	Lab
0118	Min Ouyang Th 11:00am - 1:50pm	Seats (Total: 24) PHY 3310	Lab
0120	Min Ouyang W 1:00pm - 3:50pm	Seats (Total: 24) PHY 3310	Lab

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261M *(PermReq)* **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260. Corequisite: PHYS260. Formerly PHYS262A.

0101	Min Ouyang Contact instructor or department for details. *Restricted to students transferring a lab grade from a previous semester.*	Seats (Total: 10)	

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

PHYS270 General Physics: Electrodynamics, Light, Relativity and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 271. Prerequisite: PHYS260, PHYS261 and MATH241. Corequisite: PHYS271. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273. Formerly PHYS263. Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Gregory Jenkins TuTh 5:00pm - 6:15pm Th 2:00pm - 2:50pm	Seats (Total: 28) PHY 1412 PHY 0405	 Discussion
0102	Gregory Jenkins TuTh 5:00pm - 6:15pm Th 4:00pm - 4:50pm	Seats (Total: 28) PHY 1412 PHY 1402	 Discussion
0103	Gregory Jenkins TuTh 5:00pm - 6:15pm W 9:00am - 9:50am	Seats (Total: 28) PHY 1412 PHY 1219	 Discussion
0104	Gregory Jenkins TuTh 5:00pm - 6:15pm F 1:00pm - 1:50pm	Seats (Total: 28) PHY 1412 PHY 1402	 Discussion
0301	Hailu Gebremariam MWF 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 28) PHY 1410 PHY 1402	 Discussion

0302	Hailu Gebremariam MWF 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 28) PHY 1410 PHY 1219	 Discussion
0303	Hailu Gebremariam MWF 12:00pm - 12:50pm Th 10:00am - 10:50am	Seats (Total: 28) PHY 1410 PHY 4208	 Discussion
0304	Hailu Gebremariam MWF 12:00pm - 12:50pm Th 9:00am - 9:50am	Seats (Total: 28) PHY 1410 PHY 4208	 Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271 General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270. Prerequisite: PHYS261. Corequisite: PHYS270. Formerly PHYS263A. Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. Students must pay a $50.00 laboratory materials fee.

0102	Min Ouyang M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3220	 Lab
0103	Min Ouyang M 6:00pm - 8:50pm	Seats (Total: 25) PHY 3220	 Lab
0105	Min Ouyang Tu 10:00am - 12:50pm	Seats (Total: 24) PHY 3220	 Lab
0106	Min Ouyang Tu 1:00pm - 3:50pm	Seats (Total: 24) PHY 3220	 Lab
0107	Min Ouyang Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3220	 Lab

0116	Min Ouyang W 1:00pm - 3:50pm	Seats (Total: 24) PHY 3220	Lab
0117	Min Ouyang Th 11:00am - 1:50pm	Seats (Total: 24) PHY 3220	Lab
0118	Min Ouyang Th 2:00pm - 4:50pm	Seats (Total: 24) PHY 3220	Lab

PHYS271M **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271M *(PermReq)* **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270. Prerequisite: PHYS261. Corequisite: PHYS270. Formerly PHYS263A.

0101	Min Ouyang Contact instructor or department for details. *Restricted to students transferring a lab grade from a previous semester.*	Seats (Total: 10)

PHYS272 **Introductory Physics: Fields**

PHYS272 Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 275. Prerequisites: (PHYS171 or PHYS161) and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS272 or PHYS260 and PHYS261 (Formerly: PHYS262) or PHYS142. Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. Also offered as PHYS 272H.

0101	Luis Orozco TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 55) PHY 1201 PHY 1201	

PHYS272H **Introductory Physics: Fields**

PHYS272H Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 275. Prerequisites: (PHYS171 or PHYS161) and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS272 or PHYS260 and PHYS261 (Formerly: PHYS262) or PHYS142.* For general honors students only. Also offered as PHYS 272.

0101	Luis Orozco	Seats (Total: 55)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS273 **Introductory Physics: Waves**

PHYS273 Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273.* Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. Also offered as PHYS 273H.

0101	Christopher Monroe	Seats (Total: 42)
	MTuWTh 9:00am - 9:50am	PHY 0405

PHYS273H **Introductory Physics: Waves**

PHYS273H Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273. For general honors students only. Also offered as PHYS 273.

0101	Christopher Monroe	Seats (Total: 42)
	MTuWTh 9:00am - 9:50am	PHY 0405

PHYS275 **Experimental Physics I: Mechanics and Heat**

PHYS275 *(PermReq)* **Experimental Physics I: Mechanics and Heat; (2 credits)** Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS272. Prerequisites: (PHYS171 or PHYS161) and PHYS174. Corequisite: PHYS272. Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis. CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272.

0101	Nicholas Hadley M 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	 Lab
0201	Christopher Lobb W 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	 Lab
0301	Nicholas Hadley Tu 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	 Lab
0401	Christopher Lobb Th 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	 Lab

PHYS276 **Experimental Physics II: Electricity and Magnetism**

PHYS276 *(PermReq)* **Experimental Physics II: Electricity and Magnetism; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272 and PHYS275. Credit will be granted for only one of the following: PHYS276 or former PHYS295. Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

0101	Johnpierre Paglione M 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	 Lab
0201	Johnpierre Paglione Tu 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	 Lab
0301	Sarah Eno F 12:00pm - 3:50pm	Seats (Total: 12) PHY 3120	 Lab

PHYS299 **Special Problems in Physics**

PHYS299 *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS374 **Intermediate Theoretical Methods**

PHYS374 Intermediate Theoretical Methods; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 and MATH246. Corequisite: MATH240. Introduces or reviews areas of mathematics that are regularly used in upper level and graduate courses in physics, including important areas from complex variables, Fourier analysis, partial differential equations and eigenvalue problems. These methods will be studied in the context of relevant physics applications. A current standard symbolic manipulation program will be introduced and its appropriate use in theoretical analyses will be taught.

0101	Adil Hassam	Seats (Total: 50)	
	M 11:00am - 11:50am	PHY 1201	
	TuTh 11:00am - 12:15pm	PHY 1201	

PHYS375 **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

PHYS375 Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 and PHYS276. Credit will be granted for only one of the following: PHYS375 or former PHYS296. Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics. Besides lab hours scheduled below, additional required lab time will be arranged.

0101	Steven Anlage	Seats (Total: 10)	
	M 3:00pm - 5:50pm	PHY 3104	Lab
0201	Ian Appelbaum	Seats (Total: 10)	
	W 3:00pm - 5:50pm	PHY 3104	Lab

0301	Steven Anlage Tu 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	 Lab
0401	Ian Appelbaum Th 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	 Lab

PHYS386 **Experiential Learning**

PHYS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

PHYS389 **Undergraduate Thesis Research**

PHYS389 *(PermReq)* **Undergraduate Thesis Research; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS398 **Independent Studies Seminar**

PHYS398 *(PermReq)* **Independent Studies Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS399 **Special Problems in Physics**

PHYS399 *(PermReq)* **Special Problems in Physics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS401 **Quantum Physics I**

PHYS401 Quantum Physics I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS273. Corequisites: PHYS374 and MATH240. Credit will be granted for only one of the following: PHYS401 or PHYS421. Formerly PHYS421. Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.

0101	Carter Hall	Seats (Total: 68)
	MWF 10:00am - 10:50am W 11:00am - 11:50am	PHY 1201 PHY 1201

PHYS402 **Quantum Physics II**

PHYS402 Quantum Physics II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS401, and PHYS374, and MATH240. Credit will be granted for only one of the following: PHYS402 or former PHYS422. Formerly PHYS422. Quantum states as vectors; spin and spectroscopy, multiparticle systems, the periodic table, perturbation theory, band structure, etc.

0101	Dieter Brill	Seats (Total: 45)
	MWF 10:00am - 10:50am W 11:00am - 11:50am	PHY 1402 PHY 1402

PHYS404 **Introduction to Statistical Thermodynamics**

PHYS404 Introduction to Statistical Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 or equivalent, and MATH241. Credit will be granted for only one of the following: PHYS404 or former PHYS414. Formerly PHYS414. Introduction to basic concepts in thermodynamics and statistical mechanics.

0101	Victor Yakovenko	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	PHY 1402

PHYS405 **Advanced Experiments**

PHYS405 Advanced Experiments; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS375. For PHYS majors only. Formerly PHYS395.* Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

0101	Abolhassan Jawahery, Michael Coplan	Seats (Total: 14)	
	W 12:00pm - 12:50pm	PHY 1219	Lab
	TBA	PHY 3112	Lab
0102	Michael Coplan, Abolhassan Jawahery	Seats (Total: 14)	
	W 12:00pm - 12:50pm	PHY 1219	Lab
	TBA	PHY 3112	Lab

PHYS410 **Classical Mechanics**

PHYS410 Classical Mechanics; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS374.* Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.

0101	Zackaria Chacko	Seats (Total: 45)	
	TuTh 9:00am - 10:50am	PHY 1402	

PHYS411 **Intermediate Electricity and Magnetism**

PHYS411 Intermediate Electricity and Magnetism; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.

0101	Edward Ott	Seats (Total: 49)	
	TuTh 11:00am - 11:50am	PHY 1402	
	M 11:00am - 11:50am	PHY 1402	
	F 11:00am - 11:50am	PHY 1201	Discussion

PHYS420 **Principles of Modern Physics**

PHYS420 Principles of Modern Physics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: (PHYS270 and PHYS271 {formerly: PHYS263} or PHYS273); and MATH246.* A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.

0101	Kevork Abazajian	Seats (Total: 40)
	MW 4:00pm - 5:15pm	PHY 0405

PHYS431 **Properties of Matter**

PHYS431 Properties of Matter; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: MATH241 and (PHYS270 and PHYS271 {formerly: PHYS263}), PHYS 401 or PHYS420. Also offered as ENMA460. Credit will be granted for only one of the following: ENMA460 or PHYS431.* Introduction to solid state physics. Electromagnetic, thermal, and elastic properties of metals, semiconductors, insulators and superconductors.

0101	Ichiro Takeuchi	Seats (Total: 33)
	MW 3:30pm - 4:45pm	CHM 1228

PHYS499A **Special Problems in Physics**

PHYS499A *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499B **Special Problems in Physics**

PHYS499B *(PermReq)* **Special Problems in Physics; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS601 **Theoretical Dynamics**

PHYS601 *(PermReq)* **Theoretical Dynamics; (3 credits)** Grade Method: REG/AUD. *Prerequisite: PHYS 410 or equivalent.* Lagrangian and Hamiltonian mechanics, two-body central force problem, rigid body motion, small oscillations, continuous systems.

0101	Thomas Cohen	Seats (Total: 49)	
	MWF 9:00am - 9:50am	PHY 1402	

PHYS604 **Methods of Mathematical Physics**

PHYS604 *(PermReq)* **Methods of Mathematical Physics; (3 credits)** Grade Method: REG/AUD.
Prerequisites: {advanced calculus; and PHYS 410; and PHYS 411}; or equivalent. Ordinary and partial differential equations of physics, boundary value problems, Fourier series, Green's functions, complex variables and contour integration.

0101	James Drake	Seats (Total: 50)	
	TuTh 9:30am - 10:45am	CHM 0128	

PHYS615 **Nonlinear Dynamics of Extended Systems**

PHYS615 Nonlinear Dynamics of Extended Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 601. Theory and applications of nonlinear dynamics of extended systems including nonlinear waves, pattern formation, turbulence, self-organized criticality and networks. Additional topics to be selected by instructor from areas of current research.

0101	Michelle Girvan	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	PHY 1304	

PHYS621 **Graduate Laboratory**

PHYS621 *(PermReq)* **Graduate Laboratory; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS 405 or equivalent. Design and performance of advanced experiments in modern and classical physics.

0101	Simone-Gunde Kulin	Seats (Total: 12)	
	MW 10:00am - 1:00pm	PHY 3112	Lab

PHYS622 **Introduction to Quantum Mechanics I**

PHYS622 *(PermReq)* **Introduction to Quantum Mechanics I; (4 credits)** Grade Method: REG/AUD.
Prerequisite: an outstanding undergraduate background in physics. First and second semesters. A study of the Schroedinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory, etc. Applications to solid state, atomic, and nuclear physics.

0201	Paulo Bedaque	Seats (Total: 55)
	MW 10:00am - 10:50am	CHM 0127
	F 10:00am - 11:50am	CHM 0127

PHYS624 **Advanced Quantum Mechanics**

PHYS624 Advanced Quantum Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 623. Relativistic wave equations, second quantization in many body problems and relativistic wave equations, Feynman-Dyson perturbation theory, applications to many body problems, application to quantum electrodynamics, elements of renormalization.

0101	Kaustubh Agashe	Seats (Total: 38)
	MWF 1:00pm - 1:50pm	PHY 1219

PHYS675 **Introduction to Relativity, Gravitation and Cosmology**

PHYS675 Introduction to Relativity, Gravitation and Cosmology; (3 credits) Grade Method: REG/AUD.
Prerequisites: PHYS 601 and PHYS 606. Review of special relativity, followed by a study of the equivalence principle, curved spacetimes, and Einstein's equations. Selected applications to the solar system, stellar structure, black holes, gravitational waves, and cosmology.

0101	Alessandra Buonanno	Seats (Total: 30)
	Tu 2:00pm - 3:15pm	PHY 4208
	Th 2:00pm - 3:15pm	PHY 4220

PHYS708 **Seminar in Teaching College Physics**

PHYS708 Seminar in Teaching College Physics; (1 credit) Grade Method: REG/AUD.

0101	David Hammer W 4:00pm - 5:15pm	Seats (Total: 10) PHY 1304

PHYS709 **Seminar in General Physics; Statistical Physics Seminar**

PHYS709 Seminar in General Physics: Statistical Physics Seminar; (1 credit) Grade Method: REG/AUD.
Also offered as CHPH 709B.

0101	John Weeks W 4:00pm - 5:00pm	Seats (Total: 20) IPT 1116

PHYS711 **Symmetry Problems in Physics**

PHYS711 Symmetry Problems in Physics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 623. A study of general methods of classification of physical systems by their symmetries and invariance properties, especially in quantum field theory applications.

0101	Sylvester Gates TuTh 2:00pm - 3:15pm	Seats (Total: 25) PHY 1219

PHYS721 **Atomic and Optical Physics I (Survey)**

PHYS721 Atomic and Optical Physics I (Survey); (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 623. 3 semester hours. A survey of topics involving the physics of atoms and their interaction with radiation, including atoms in external fields, lasers, atomic spectroscopy and atomic structure.

0101	Eite Tiesinga, Jacob Taylor MW 2:30pm - 4:00pm	Seats (Total: 30) PHY 0405

PHYS728 **Seminar in Atomic and Molecular Physics**

PHYS728 Seminar in Atomic and Molecular Physics; (1 credit) Grade Method: REG/AUD.

0101	Steven Rolston M 12:00pm - 2:00pm	Seats (Total: 20) PHY 1201

PHYS731 **Solid State Physics: Survey**

PHYS731 Solid State Physics: Survey; (3 credits) Grade Method: REG/AUD.
A variety of topics such as crystal structure, mechanical, thermal, electrical, and magnetic properties of solids, band structure, the Fermi surface, and superconductivity will be treated. Although the emphasis will be on the phenomena, the methods of quantum mechanics are freely employed in this description.

0101	James Anderson Tu 2:30pm - 3:45pm Th 3:15pm - 4:30pm	Seats (Total: 25) PHY 4220 PHY 4220

PHYS738 **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS738 Seminar in Experimental Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 739.

0101	Victor Galitskiy, Min Ouyang Th 2:00pm - 3:50pm	Seats (Total: 30) PHY 1201

PHYS739 **Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS739 Seminar in Theoretical Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 738.

0101	Min Ouyang, Victor Galitskiy Th 2:00pm - 3:50pm	Seats (Total: 30) PHY 1201

PHYS748 **Seminar in Experimental Nuclear Physics**

PHYS748 Seminar in Experimental Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Philip Roos, Nicholas Chant, Chia-Cheh Chang, Elizabeth Beise, Herbert Breuer W 4:00pm - 6:00pm	Seats (Total: 24) PHY 4208

PHYS749 **Seminar in Theoretical Nuclear Physics**

PHYS749 Seminar in Theoretical Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Xiangdong Ji W 4:00pm - 6:00pm	Seats (Total: 20) PHY 1201

PHYS751 **Elementary Particle Physics I: Survey**

PHYS751 Elementary Particle Physics I: Survey; (3 credits) Grade Method: REG/AUD.
Corequisite: PHYS624. Nuclear forces are studied by examining interactions at high energies. Meson physics, scattering processes, and detailed analysis of high energy experiments.

0101	Douglas Roberts TuTh 9:30am - 10:45am	Seats (Total: 20) PHY 1304

PHYS758 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS758 Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.

0101	Kara Hoffman W 1:00pm - 2:30pm	Seats (Total: 15) PHY 1201

PHYS759 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS759 Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.

0101	Kaustubh Agashe M 3:00pm - 4:00pm	Seats (Total: 15) PHY 4102

PHYS769 **Seminar in Plasma Physics**

PHYS769 Seminar in Plasma Physics; (1 credit) Grade Method: REG/AUD. Class will meet in ERF 1207.

0101	Adil Hassam W 4:00pm - 5:15pm	Seats (Total: 35) PHY 1219

PHYS776 **Advanced Gravitation Theory**

PHYS776 Advanced Gravitation Theory; (3 credits) Grade Method: REG/AUD. *Prerequisites: PHYS 623 and PHYS 675.* Advanced topics in gravitation theory selected from Lagrangian and Hamiltonian formulations, geometric methods, symmetries of space times, black holes, singularity theorems, quantum effects in curved space, early universe, quantum gravity, and unified theories.

0101	Bei Lok Hu TuTh 11:00am - 12:15pm	Seats (Total: 25) PHY 4208

PHYS778 **Seminar in Space and Cosmic Ray Physics**

PHYS778 Seminar in Space and Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.

0101	Douglas Hamilton M 4:30pm - 5:45pm	Seats (Total: 20) PHY 1219

PHYS779A **Seminar in General Relativity; Seminar in Gravitational Physics**

PHYS779A Seminar in General Relativity: Seminar in Gravitational Physics; (1 credit) Grade Method: REG/AUD.

0101	Manuel Tiglio, Peter Shawhan F 1:30pm - 2:45pm	Seats (Total: 15) PHY 4102

PHYS798 **Special Problems in Advanced Physics**

PHYS798 *(PermReq)* **Special Problems in Advanced Physics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS798B **Special Problems in Advanced Physics; Physics Colloquium**

PHYS798B Special Problems in Advanced Physics: Physics Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Nicholas Hadley	Seats (Total: 160)
	Tu 4:00pm - 6:00pm	PHY 1410

PHYS798D **Special Problems in Advanced Physics; Applied Dynamics Seminar**

PHYS798D Special Problems in Advanced Physics: Applied Dynamics Seminar; (1 credit) Grade Method: REG/AUD.

0101	Edward Ott	Seats (Total: 10)
	Th 12:15pm - 1:45pm	ERF 1207

PHYS798L **Special Problems in Advanced Physics; Biophysics**

PHYS798L Special Problems in Advanced Physics: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	IPT 1116

PHYS798P **Special Problems in Advanced Physics; Physics of the Large Hadron Collider**

PHYS798P Special Problems in Advanced Physics: Physics of the Large Hadron Collider; (2-3 credits) Grade Method: REG/AUD.

0101	Andris Skuja	Seats (Total: 10)
	W 11:00am - 12:50pm	PHY 1304

PHYS799 **Master's Thesis Research**

PHYS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS838A **Special Topics in Experimental Solid State Physics; Current Topics in Surface Physics**

PHYS838A Special Topics in Experimental Solid State Physics: Current Topics in Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as CHPH 718A.

0101	Ellen Williams	Seats (Total: 15)
	M 12:00pm - 1:00pm	PHY 2202
	F 4:00pm - 6:00pm	PHY 2120

PHYS838C **Special Topics in Experimental Solid State Physics; Superconductivity, Quantum Materials and Nanoscience Seminar**

PHYS838C Special Topics in Experimental Solid State Physics: Superconductivity, Quantum Materials and Nanoscience Seminar; (2 credits) Grade Method: REG/AUD.

0101	Richard Greene	Seats (Total: 50)
	M 4:00pm - 6:00pm	PHY 1201

PHYS839A **Special Topics in Theoretical Solid State Physics; Theory of Low Dimensional Systems**

PHYS839A Special Topics in Theoretical Solid State Physics: Theory of Low Dimensional Systems; (1 credit) Grade Method: REG/AUD.

0101	Sankar Das Sarma	Seats (Total: 20)
	F 4:00pm - 7:00pm	PHY 1201

PHYS851 **Advanced Quantum Field Theory**

PHYS851 Advanced Quantum Field Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: PHYS 624.* Renormalizations of Lagrangian field theories, Lamb shift, positronium fine structure, T. C. P. Invariance, connection between spin and statistics, broken symmetries in many body problems, soluble models, analyticity in perturbation theory, simple applications of dispersion relations.

0101	Rabindra Mohapatra	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	PHY 1304

PHYS898 **Pre-Candidacy Research**

PHYS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

PHYS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Physics Colloquium meets Tu 4-5:30 in PHY 1410 and PHY 1412. Physics Journal Club meets Th 4-5:30 in PHY 1410.

Contact department for information to register for this course.

PLSC Plant Sciences Fall 2009

PLSC101 **Introductory Crop Science**

PLSC101 Introductory Crop Science; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Major crop plants including: anatomy, physiology, morphology, history, use, adaptation, culture, improvement and economic importance. Students must pay a $50.00 laboratory materials fee.

0101	Donald Glenn MWF 11:00am - 11:50am M 12:00pm - 1:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab
0102	Donald Glenn MWF 11:00am - 11:50am W 12:00pm - 1:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab
0103	Donald Glenn MWF 11:00am - 11:50am W 2:00pm - 3:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab
0104	Donald Glenn MWF 11:00am - 11:50am M 2:00pm - 3:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab

PLSC171 **Introduction to Urban Ecosystems**

PLSC171 Introduction to Urban Ecosystems; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who have completed NRSC271. Credit will be granted for only one of the following: NRSC171, NRSC271, or PLSC171. Formerly NRSC171. The diverse and significant impacts of strategically maintaining greenspace within communities will be highlighted. Students learn about the role of green infrastructure in relation to quality of life and environment. Also taught are basic principles central to urban ecosystems, which contain vegetation, natural resources, the built environment and are dominated by people. The impacts of science, community development, landscape management, public policies, laws and their interactions on sustainability are studied.

0101	Marla McIntosh TuTh 11:00am - 12:15pm	Seats (Total: 25) PLS 1117	

PLSC253 **Woody Plants for Mid-Atlantic Landscapes I**

PLSC253 Woody Plants for Mid-Atlantic Landscapes I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100. A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on native deciduous plant materials.

0101	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1153	 Lab
0102	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1142	 Lab
0103	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1140	 Lab

PLSC305 **Introduction to Turf Management**

PLSC305 Introduction to Turf Management; (3 credits) Grade Method: REG/P-F/AUD.
Principles of turf culture. Identification and uses of turfgrass species; turfgrass fertilization, cultivation, mowing and establishment; and the identification of turf pests.

0101	Mark Carroll Tu 4:00pm - 6:00pm Th 4:00pm - 6:00pm	Seats (Total: 24) PLS 1119 PBR 1102	 Lab

PLSC361 **Commercial Principles of Landscape Management**

PLSC361 Commercial Principles of Landscape Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT220 or permission of department. Corequisite: PLSC100 or PLSC101. Recommended: LARC160. Credit will be granted for only one of the following: PLSC261 or PLSC361. Formerly PLSC261. Commercial management practices associated with the landscape build/design and maintenance industry are emphasized. Lectures focus on strategic planning, job cost management, bidding and estimating, marketing, and personnel management. Laboratories and field trips familiarize students with the landscape industry by interfacing with corporations and industry-related term projects.

0101	Steven Cohan MW 12:00pm - 12:50pm W 1:00pm - 3:50pm	Seats (Total: 20) PLS 1117 PLS 1119	 Lab

PLSC389 **Internship**

PLSC389 Internship; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan M 9:00am - 9:50am	Seats (Total: 20) PLS 1119
0102	Steven Cohan W 9:00am - 9:50am	Seats (Total: 20) PLS 1119

PLSC399 **Special Problems in Plant Science**

PLSC399 Special Problems in Plant Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC402 **Sports Turf Management**

PLSC402 Sports Turf Management; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PLSC305 and PLSC401.* Sports turf management, including design, construction, soil modification, soil cultural techniques, pesticide use, fertilization, and specialized equipment.

0101	Thomas Turner	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PBR 1102	
	TuTh 11:00am - 12:15pm	PBR 1102	Lab

PLSC420 **Principles of Plant Pathology**

PLSC420 Principles of Plant Pathology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM104 or CHEM113 or CHEM271 and CHEM272; and PLSC201 or equivalent. Not open to students who have completed NRSC410. Formerly NRSC410.* An introduction to the causal agents, nature and management of plant diseases with particular attention paid to economically important diseases of horticultural and agronomic crops.

0101	Yilmaz Balci	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PLS 1119	
	Tu 11:00am - 1:50pm	PLS 1153	Lab
0102	Yilmaz Balci	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PLS 1119	
	Th 11:00am - 1:50pm	PLS 1153	Lab

PLSC433 **Technology of Fruit and Vegetable Production**

PLSC433 Technology of Fruit and Vegetable Production; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC201, PLSC202, PLSC271, and NRSC411 or equivalent. Corequisite: BSCI442. Recommended: ENST200 or equivalent. Junior standing. Credit will be granted for only one of the following: NRSC411 or PLSC433. A critical analysis of research work and application of the principles of plant physiology, chemistry and botany to practical problems in the commercial production of fruit and vegetable crops.

0101	Christopher Walsh	Seats (Total: 10)	
	MW 12:00pm - 12:50pm	PLS 1119	
	W 1:00pm - 3:50pm	PLS 0123	Lab
	W 4:00pm - 4:50pm	PLS 1144	Discussion

PLSC453 **Weed Science**

PLSC453 Weed Science; (3 credits) Grade Method: REG/P-F/AUD.
Weed identification, ecology, and control (cultural, mechanical, biological, and chemical methods).

0101	Donald Glenn	Seats (Total: 50)	
	TuTh 12:30pm - 1:45pm	HJP 1104	
	Tu 3:00pm - 4:50pm	HJP 1104	Lab

PLSC471 **Forest Ecology**

PLSC471 Forest Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106 or PLSC201. An understanding of the forest ecosystem, its structure and the processes that regulate it are provided. It also considers changes that occur in forests, the interaction of environment and genetics in promoting ecosystem sustainability, and the role of human influences on urban forest ecosystems.

0101	Joseph Sullivan	Seats (Total: 30)	
	MWF 10:00am - 10:50am	PLS 1119	

PLSC489B **Special Topics in Plant Science; Private and Public Sector Applications**

PLSC489B Special Topics in Plant Science: Private and Public Sector Applications; (1 credit) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489D **Special Topics in Plant Science; Low Maintenance Plant Design**

PLSC489D Special Topics in Plant Science: Low Maintenance Plant Design; (3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489E **Special Topics in Plant Science; Diseases of Trees and Shrubs**

PLSC489E Special Topics in Plant Science: Diseases of Trees and Shrubs; (3 credits) Grade Method: REG/P-F/AUD.
All major and many lesser categories of infectious diseases of trees and shrubs are discussed. The class is designed to aid with plant diagnostic skills. It will be taught in a lab environment and involves sampling in the field and isolation and identification to genus/ species level.

0101	Yilmaz Balci	Seats (Total: 15)	
	W 1:00pm - 2:50pm	PLS 1153	
	W 3:00pm - 4:50pm	PLS 1153	Lab

PLSC489J **Special Topics in Plant Science; Exploring Plant Protection, Health, and Quarantine Issues**

PLSC489J Special Topics in Plant Science: Exploring Plant Protection, Health, and Quarantine Issues; (1 credit) Grade Method: REG/P-F/AUD.

0101	Arvydas Grybauskas	Seats (Total: 20)
	Th 4:00pm - 4:50pm	PLS 1168

PLSC489O **Special Topics in Plant Science; BIOLOGY OF FUNGI**

PLSC489O Special Topics in Plant Science: BIOLOGY OF FUNGI; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100, PLSC101, or BSCI105.

0101	Priscila Chaverri MW 11:00am - 11:50am M 2:00pm - 3:50pm	Seats (Total: 15) PLS 1146 PLS 1153	 Lab

PLSC489P **Special Topics in Plant Science; Pro Golf Turf**

PLSC489P *(PermReq)* **Special Topics in Plant Science: Pro Golf Turf; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Carroll Contact instructor or department for details.	Seats (Total: 5)

PLSC608T **Research Methods; Supervised Teaching**

PLSC608T Research Methods: Supervised Teaching; (2 credits) Grade Method: REG/AUD.

0101	Marla McIntosh Contact instructor or department for details.	Seats (Total: 5)
2001	Donald Glenn Contact instructor or department for details.	Seats (Total: 1)

PLSC689C **Special Topics; Conservation Biology**

PLSC689C Special Topics: Conservation Biology; (1 credit) Grade Method: REG/AUD.

0101	Maile Neel Contact instructor or department for details.	Seats (Total: 8)

PLSC789 **Advances in Research**
Contact department for information to register for this course.

PLSC798 **Graduate Seminar**

PLSC798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0201	Gary Coleman M 4:00pm - 4:50pm	Seats (Total: 40) PLS 1140

PLSC799 **Master's Thesis Research**

PLSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

PLSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

PLSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT Portuguese Fall 2009

PORT104 **Intensive Elementary Portuguese**

PORT104 Intensive Elementary Portuguese; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed PORT101. Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

0101	Regina Igel	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	ASY 3219
	W 11:00am - 11:50am	ASY 3215

PORT205 **Intermediate Reading and Conversation**

PORT205 Intermediate Reading and Conversation; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: PORT204 or permission of department. Development of spoken Portuguese at intermediate level based on written assignments and exams on readings in a variety of genres.

0101	Regina Igel TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 3118

PORT224 **Brazilian Culture**

PORT224 Brazilian Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Pluralistic formation of Brazilian culture, based on European, African and Indian contributions. Lectures, discussions, slides, video, and film presentations. In English.

0101	Regina Igel TuTh 3:30pm - 4:45pm	Seats (Total: 32) TYD 1102

PORT234 **Issues in Latin American Studies I**

PORT234 Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN234 and LASC234. Credit will be granted for only one of the following: PORT234 or SPAN234 or LASC234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Sandra Cypess TuTh 11:00am - 12:15pm	Seats (Total: 30) PLS 1113

PORT234H **Issues in Latin American Studies I**

PORT234H Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN234 and LASC234. Credit will be granted for only one of the following: PORT234 or SPAN234 or LASC234.

0101	Sandra Cypess TuTh 11:00am - 12:15pm	Seats (Total: 5) PLS 1113

PORT386 **Experiential Learning**

PORT386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: permission of department. Junior standing.*

Contact department for information to register for this course.

PORT399 **Independent Study in Portuguese**

PORT399 Independent Study in Portuguese; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT699 **Independent Study of Portuguese**

PORT699 Independent Study of Portuguese; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC Psychology Fall 2009

PSYC100 **Introduction to Psychology**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

PSYC100 Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research. Click here for sample course syllabus.

0110	Kevin Murnane	Seats (Total: 25)	
	TuTh 2:00pm - 3:15pm	BRB 1101	
	M 10:00am - 10:50am	BPS 1228	Discussion

0111	Kevin Murnane TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0112	Kevin Murnane TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0113	Kevin Murnane TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0114	Kevin Murnane TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0115	Kevin Murnane TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0116	Kevin Murnane TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0117	Kevin Murnane TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0118	Kevin Murnane TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0119	Kevin Murnane TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1236	Discussion
0121	Kevin Murnane TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 1232	Discussion

0122	Kevin Murnane TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0123	Kevin Murnane TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0124	Kevin Murnane TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0125	Kevin Murnane TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0129	Kevin Murnane TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0136	Kevin Murnane TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0220	Barry Smith TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0222	Barry Smith TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0225	Barry Smith TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1236	Discussion
0226	Barry Smith TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1234	Discussion

0231	Barry Smith TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 25) BRB 1101 PLS 1146	Discussion
0233	Barry Smith TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0235	Barry Smith TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0236	Barry Smith TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0238	Barry Smith TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0239	Barry Smith TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0240	Barry Smith TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 25) BRB 1101 KEY 0120	Discussion
0241	Barry Smith TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion
0245	Barry Smith TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 BPS 1243	Discussion
0331	Thomas Capo TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 1232	Discussion

0332	Thomas Capo TuTh 3:30pm - 4:45pm Tu 12:30pm - 1:20pm	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
0333	Thomas Capo TuTh 3:30pm - 4:45pm Tu 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0335	Thomas Capo TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
0336	Thomas Capo TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0337	Thomas Capo TuTh 3:30pm - 4:45pm M 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 1124	Discussion
0338	Thomas Capo TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 25) BRB 1101 WDS 1114	Discussion
0342	Thomas Capo TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 1236	Discussion
0343	Thomas Capo TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 BPS 1228	Discussion
FC01	Jeannette Johnson MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) BPS 0283	
FC02	Jeannette Johnson MW 6:00pm - 7:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 27) BPS 0283	

PSYC100H **Introduction to Psychology**

PSYC100H Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Open to Honors students only. Click here for sample course syllabus.

0101	Peter Marvit TuTh 9:30am - 10:45am	Seats (Total: 24) BPS 0283	
0201	Steven Brauth TuTh 11:00am - 12:15pm	Seats (Total: 24) BPS 1124	

PSYC100S **Introduction to Psychology**

PSYC100S Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Restricted to College Park Scholars- Media, Self and Society. Click here for sample course syllabus.

0221	Barry Smith TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 10) BRB 1101 BPS 1228	 Discussion

PSYC200 **Statistical Methods in Psychology**

PSYC200 Statistical Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and (MATH111 or MATH140 or MATH220) with a C (2.0) or higher. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. A basic introduction to quantitative methods used in psychological research. Restricted to Psychology and Biology majors. All others require permission. Permission must be obtained in BPS 1107. Click here for sample course syllabus.

0101	Mark Johnson TuTh 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 28) BPS 1250 BPS 1232	 Discussion
0102	Mark Johnson TuTh 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 28) BPS 1250 BPS 1236	 Discussion

0103	Mark Johnson TuTh 8:00am - 9:15am F 2:00pm - 2:50pm	Seats (Total: 28) BPS 1250 BPS 0283	Discussion
0104	Mark Johnson TuTh 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 28) BPS 1250 MTH 0407	Discussion
0105	Mark Johnson TuTh 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 28) BPS 1250 BPS 1236	Discussion
0201	Mark Johnson TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 28) BPS 1250 BPS 1236	Discussion
0202	Mark Johnson TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 28) BPS 1250 BPS 1124	Discussion
0203	Mark Johnson TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 28) BPS 1250 BPS 1228	Discussion
0204	Mark Johnson TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 28) BPS 1250 BPS 1232	Discussion
0205	Mark Johnson TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 28) BPS 1250 PLS 1113	Discussion
0301	Tracy Tomlinson MW 4:00pm - 5:40pm	Seats (Total: 29) BPS 1124	

PSYC221 Social Psychology

PSYC221 Social Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: PSYC100. The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior. Click here for sample course syllabus.

0101	Charles Stangor MWF 1:00pm - 1:50pm	Seats (Total: 150) BPS 1250
0201	Edward Orehek MWF 2:00pm - 2:50pm	Seats (Total: 150) BPS 1250

PSYC301 **Biological Basis of Behavior**

PSYC301 Biological Basis of Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI105 and PSYC100. An introduction to the anatomical structures and physiological processes that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Frank Hall MW 5:00pm - 6:15pm	Seats (Total: 154) BPS 1250

PSYC309A **Special Topics in Psychology; Get to Know Your Faculty Series**

PSYC309A Special Topics in Psychology: Get to Know Your Faculty Series; (1 credit) Grade Method: REG/P-F/AUD.

0101	Marcia Marinelli Tu 5:00pm - 6:15pm	Seats (Total: 30) BPS 1142

PSYC309B **Special Topics in Psychology; Abnormal Child Psychology**

PSYC309B Special Topics in Psychology: Abnormal Child Psychology; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kelly O'Brien TuTh 9:30am - 10:45am	Seats (Total: 75) JMZ 0105

PSYC309C **Special Topics in Psychology; Major Transitions**

PSYC309C Special Topics in Psychology: Major Transitions; (1 credit) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Lori Kader W 10:00am - 11:50am	Seats (Total: 20) BPS 1124

PSYC309J **Special Topics in Psychology; Doing Psychological Research on the Internet**

PSYC309J *(PermReq)* **Special Topics in Psychology: Doing Psychological Research on the Internet; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Kent Norman M 1:30pm - 4:00pm	Seats (Total: 10) BPS 1112

PSYC309L **Special Topics in Psychology; Personality and Social Psychology**
Contact department for information to register for this course.

PSYC309M **Special Topics in Psychology; Cognitive Psychology**
Contact department for information to register for this course.

PSYC310 **Perception**

PSYC310 Perception; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and {BSCI105, BSCI106, CHEM103 or PHYS121}. Not open to students who have completed PSYC410. A survey of phenomena and theories of perception including psychological, anatomical, physiological, and environmental factors important in determining how we perceive the world. Historical background will be examined as well as contemporary research. Restricted to PSYC majors only. Click here for sample course syllabus.

0101	Thomas Carlson TuTh 12:30pm - 1:45pm	Seats (Total: 45) BPS 0283

PSYC318D **Community Interventions: Theory and Research; Domestic Violence**

PSYC318D Community Interventions: Theory and Research: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498V.

0101	Karen O'Brien MW 8:00am - 9:15am	Seats (Total: 35) BPS 1124

PSYC334 **Psychology of Interpersonal Relationships**

PSYC334 Psychology of Interpersonal Relationships; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce). Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Ryan Curtis TuTh 2:00pm - 3:15pm	Seats (Total: 144) BPS 1250

PSYC336 **Psychology of Women**

PSYC336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as WMST336. Credit will be granted for only one of the following: PSYC336 or WMST336. A survey of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Kathryn Levit MW 3:30pm - 4:45pm	Seats (Total: 110) BPS 1243
0201	Kathryn Levit TuTh 11:00am - 12:15pm	Seats (Total: 110) BPS 1243

PSYC341 **Introduction to Memory and Cognition**

PSYC341 Introduction to Memory and Cognition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. An introduction to the basic models, methods of research, and findings in memory, problem-solving, and language and their applications. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Kevin Murnane TuTh 12:30pm - 1:45pm	Seats (Total: 110) BPS 1243

PSYC353 **Abnormal Psychology**

PSYC353 Abnormal Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. For PSYC majors only. The nature, diagnosis, etiology, and treatment of mental disorders. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Laura MacPherson TuTh 5:00pm - 6:15pm	Seats (Total: 288) BRB 1101
SG91	Megan Gliniecki TuTh 12:30pm - 1:45pm *This section meets a the Universities at Shady Grove.*	Seats (Total: 50) SG3 4216

PSYC354 **Cross-Cultural Psychology**

PSYC354 Cross-Cultural Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Cultural components in theory and research in personality, social, and community psychology. Interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being, cross-cultural and cross-ethnic communication, and counseling and psychotherapeutic interactions. Click here for sample course syllabus.

0101	Edward Orehek TuTh 12:30pm - 1:45pm	Seats (Total: 154) HJP 0226

PSYC355 **Developmental Psychology**

PSYC355 Developmental Psychology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100.* Survey of research and theory of psychological development from conception through childhood, stressing physiological, conceptual and behavioral changes, and the social and biological context in which individuals develop. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Tracy Riggins	Seats (Total: 148)
	MW 3:00pm - 4:15pm	BPS 1250

PSYC361 **Survey of Industrial and Organizational Psychology**

PSYC361 Survey of Industrial and Organizational Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization), organizational psychology (motivation, leadership, job attitudes), and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Garriy Shteynberg	Seats (Total: 111)
	MW 2:00pm - 3:15pm	BPS 1243

PSYC386 **Experiential Learning**

PSYC386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. *Prerequisite: permission of department. Junior standing.* Click here for more course information.

0101	Marcia Marinelli	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC402 **Neural Systems and Behavior**

PSYC402 Neural Systems and Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC206 or PSYC301. Priority is given to PSYC majors. Credit will be granted for only one of the following: PSYC402.* Research on the physiological basis of behavior, including considerations of sensory phenomenon, motor coordination, emotion, drives, and the neurological basis of memory.

0101	Steven Brauth	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	BPS 1124

PSYC403 **Animal Behavior**

PSYC403 Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC206 or PSYC301.* Reviews the theoretical framework underlying the study of animal behavior. The genetic, hormonal and physiological basis of behavior, and the relation to ecological and evolutionary processes will be discussed using examples that range from invertebrate animals to humans. Click here for sample course syllabus.

0101	Jens Herberholz	Seats (Total: 36)
	TuTh 2:00pm - 3:15pm	BPS 0283

PSYC404 **Introduction to Behavioral Pharmacology**
Contact department for information to register for this course.

PSYC407 **Behavioral Neurobiology Laboratory**

PSYC407 *(PermReq)* **Behavioral Neurobiology Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100, PSYC200 and {BSCI105 or BSCI106}. Recommended: PSYC301. 85 semester hours. Laboratory exercises introducing concepts and techniques of behavioral neurobiology. Activities emphasize design of neurobiology experiments, hands-on experience with behavioral and neurobiological techniques, data collection, and analysis of the results. Most exercises use living animals. Permission required (contact professor, ddyager@umd.edu) Click here for sample course syllabus.

0101	David Yager	Seats (Total: 8)	
	MW 9:00am - 9:50am	PLS 1117	
	M 2:00pm - 5:00pm	BPS 0263	Lab

0201	David Yager MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	 Lab
0401	David Yager MW 9:00am - 9:50am Th 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	 Lab

PSYC409 **Topics in Neurosciences Seminar**

PSYC409 *(PermReq)* **Topics in Neurosciences Seminar; (1 credit)** Grade Method: S-F.
For students in the neuroscience minor. Click here for sample course syllabus.

0101	Jens Herberholz F 9:00am - 10:00am	Seats (Total: 18) BPS 1142	

PSYC415 **History of Psychology**

PSYC415 History of Psychology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: twelve credits in psychology including PSYC 200 or permission of department.* Origins of psychology in philosophy and biology, and the development of psychology as a science in the nineteenth and twentieth centuries. Consideration of current theoretical perspectives and experiments in relation to the enduring problems of psychology, and of the role of culture, science, and technology in the development of psychological ideas. Restricted to PSYC Majors only (20010). Click here for sample course syllabus.

0101	Hsuchi Ting TuTh 9:30am - 10:45am	Seats (Total: 35) BPS 1236	

PSYC420 **Experimental Psychology: Social Processes I**

PSYC420 Experimental Psychology: Social Processes I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200; PSYC221; the completion of the departmentally required math and science supporting course sequence; and 85 credits. A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Jeremy Schultz MW 1:00pm - 1:50pm Th 10:00am - 12:00pm	Seats (Total: 15) MCB 1207 BPS 1112	 Lab
0102	Jeremy Schultz MW 1:00pm - 1:50pm Th 12:00pm - 2:00pm	Seats (Total: 15) MCB 1207 BPS 1112	 Lab
0103	Jeremy Schultz MW 1:00pm - 1:50pm Th 2:00pm - 4:00pm	Seats (Total: 15) MCB 1207 BPS 1112	 Lab
0104	Jeremy Schultz MW 1:00pm - 1:50pm F 10:00am - 12:00pm	Seats (Total: 15) MCB 1207 BPS 1103	 Lab
0201	Catalina Kopetz MW 2:00pm - 2:50pm F 10:00am - 11:50am	Seats (Total: 15) PLS 1140 BPS 1112	 Lab
0202	Catalina Kopetz MW 2:00pm - 2:50pm W 12:00pm - 1:50pm	Seats (Total: 15) PLS 1140 BPS 1236	 Lab
0203	Catalina Kopetz MW 2:00pm - 2:50pm Tu 2:00pm - 4:00pm	Seats (Total: 15) PLS 1140 BPS 1234	 Lab
0204	Catalina Kopetz MW 2:00pm - 2:50pm F 12:00pm - 2:00pm	Seats (Total: 15) PLS 1140 BPS 1112	 Lab

PSYC424 Communication and Persuasion

PSYC424 Communication and Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200 and PSYC221. Effect of social communication upon behavior and attitudes. Theory and research concerning attitude change and social influence. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Steven Buzinski TuTh 9:30am - 10:45am	Seats (Total: 36) TYD 2109

PSYC432 **Introduction to Counseling Psychology**

PSYC432 Introduction to Counseling Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: nine hours in psychology including PSYC200. Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology. Restricted to undergraduate PSYC majors only. Click here for sample course syllabus.

0101	Stacie Ain MW 2:00pm - 3:15pm	Seats (Total: 36) BPS 0283
0201	Nazish Salahuddin TuTh 8:00am - 9:15am	Seats (Total: 36) BPS 0283

PSYC433 **Basic Helping Skills: Research and Practice**

PSYC433 Basic Helping Skills: Research and Practice; (4 credits) Grade Method: REG.
Prerequisite: PSYC200; and {PSYC235 or PSYC334 or PSYC353 or PSYC432 or PSYC434 or PSYC435 or PSYC436}; and 85 credits. For PSYC majors only. Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades. Restricted to undergraduate PSYC majors who have completed 85 credits. Click here for sample course syllabus.

0101	Nazish Salahuddin Tu 4:30pm - 6:30pm Th 4:30pm - 6:30pm	Seats (Total: 16) BPS 1238 BPS 1228	 Discussion
0102	Nazish Salahuddin Tu 4:30pm - 6:30pm Th 4:30pm - 6:30pm	Seats (Total: 16) BPS 1238 BPS 1236	 Discussion
0201	Sara Ericson M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1228 BPS 1232	 Discussion
0202	Sara Ericson M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1228 BPS 1228	 Discussion
0301	Ann Hummel M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1236 BPS 1236	 Discussion
0302	Ann Hummel M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1236 BPS 1238	 Discussion
0401	Heather DelPino W 9:00am - 11:00am F 9:00am - 11:00am	Seats (Total: 16) CHM 0119 BPS 1238	 Lab
0402	Heather DelPino W 9:00am - 11:00am F 9:00am - 11:00am	Seats (Total: 16) CHM 0119 BPS 1234	 Lab

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

PSYC436 Introduction to Clinical Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200 or equivalent. Critical analysis of clinical psychology, with particular emphasis on current developments and trends. Restricted to undergraduate PSYC majors only. Click here for sample course syllabus.

0101	Andrea Leiman W 10:00am - 12:50pm	Seats (Total: 58) SKN 0104	

PSYC440 **Experimental Psychology: Cognitive Processes**

PSYC440 Experimental Psychology: Cognitive Processes; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC100; and PSYC200; and completion of supporting course sequence; and 85 credits. Recommended: PSYC341. A survey of the content, models, and methods in cognitive psychology with an emphasis on auditory and visual pattern recognition, information processing, attention, memory, learning, problem solving, and language.

0101	Yaron Shlomi MW 11:00am - 11:50am W 4:00pm - 6:00pm	Seats (Total: 12) SKN 1115 BPS 0140	 Lab
0102	Yaron Shlomi MW 11:00am - 11:50am Th 3:30pm - 5:30pm	Seats (Total: 12) SKN 1115 BPS 0140	 Lab

PSYC443 **Thinking and Problem Solving**

PSYC443 Thinking and Problem Solving; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200; and {PSYC341 or PSYC440} or permission of department. Historical development, current theory and data, and research methods in problem solving. Formal problem solving theory and computer models of thinking and human problem-solving behavior. The uses of strategies to improve students' own thinking processes and problem-solving behavior. Restricted to PSYC majors. Click here for sample course syllabus.

SG91	Sonja Linn TuTh 11:00am - 12:15pm *This section meets at Universities at Shady Grove.*	Seats (Total: 40) SG3 3226

PSYC445 **The Psychology of Video Games and Entertainment**

PSYC445 The Psychology of Video Games and Entertainment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 and PSYC200. For PSYC majors; others by permission of department. Credit will be granted for only one of the following: PSYC309V or PSYC445. Formerly PSYC309V. An exploration of the diverse elements and theories in the psychology of video games and entertainment. The history and taxonomy of video games, cognitive and affective elements, virtual reality and social presence, video game violence, and educational and ethical issues will be covered.

0101	Kent Norman	Seats (Total: 35)
	MWF 10:00am - 10:50am	PLS 1129

PSYC450 **Field Research in Organizational Psychology**

PSYC450 Field Research in Organizational Psychology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC100, PSYC200 and completion of the departmentally required math and science supporting course sequence. Recommended: PSYC361. Restricted to PSYC majors who have completed 85 credits. Methods of field research applicable to organizational settings are examined, including field experiments and quasi-experiments, observation, interviewing, surveys, content analysis, and various forms of qualitative inquiry. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Ryan Fehr	Seats (Total: 36)
	TuTh 3:30pm - 5:30pm	BPS 1124

PSYC465 **Psychology of Organizational Processes**

PSYC465 Psychology of Organizational Processes; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200 and PSYC361 or equivalent. Theories of interpersonal, intra- and inter-group relations, with emphasis on issues of conflict, competition, cooperation and the role of power in organizations. Organizational diagnosis and intervention.

0101	Cheri Ostroff	Seats (Total: 38)
	Tu 3:30pm - 6:30pm	BPS 0283

PSYC468H **Field Experience and Special Assignments in Honors**

PSYC468H *(PermReq)* **Field Experience and Special Assignments in Honors; (1-3 credits)** Grade Method: REG/AUD.
Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Thomas Wallsten	Seats (Total: 20)
	W 4:00pm - 4:50pm	BPS 1142

PSYC469H **Honors Thesis Proposal Preparation**

PSYC469H *(PermReq)* **Honors Thesis Proposal Preparation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

PSYC478 *(PermReq)* **Independent Study in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

PSYC479 *(PermReq)* **Special Research Problems in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC488B **Advanced Psychology I (Honors); Honors Seminar in Cognitive Development**

PSYC488B Advanced Psychology I (Honors): Honors Seminar in Cognitive Development; (3 credits) Grade Method: REG/P-F/AUD.

0101	Amanda Woodward	Seats (Total: 5)	
	M 1:00pm - 4:00pm	BPS 1103	

PSYC498H **Advanced Psychology II (Honors); Animal Intelligence Seminar**

PSYC498H Advanced Psychology II (Honors): Animal Intelligence Seminar; (3 credits) Grade Method: REG/P-F/AUD.

0101	William Hodos	Seats (Total: 10)	
	TuTh 2:00pm - 3:15pm	BPS 3132	

PSYC499H **Honors Thesis Research**

PSYC499H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite:permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC601 **Quantitative Methods I**

PSYC601 Quantitative Methods I; (4 credits) Grade Method: REG/AUD.
Prerequisite: PSYC 200 or equivalent. A basic course in quantitative/mathematical analysis and statistical methods in psychology with an emphasis on conceptual understanding. Topics include issues in measurement, probability theory, statistical inference and hypothesis testing, parameter estimation, bivariate regression, and correlation. For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

0101	Michael Dougherty	Seats (Total: 20)	
	TuTh 9:00am - 11:00am	BPS 1232	
	Tu 4:30pm - 6:00pm	PLS 1129	Discussion

PSYC603 **Introduction to Industrial and Organizational Psychology**

PSYC603 *(PermReq)* **Introduction to Industrial and Organizational Psychology; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC 603 or PSYC 730. Formerly PSYC730. Advanced survey of industrial-organizational psychology, including selection, training, motivation, group processes, leadership, organizational psychology, and organizational theory. Readings stressed and seminar time will be used for lectures, discussion and integration of the reading materials.

0102	Cheri Ostroff	Seats (Total: 20)
	W 1:20pm - 3:45pm	BPS 1142
	Restricted to students in the LEAD program.	

PSYC604 **Fundamentals of Social Psychology**

PSYC604 Fundamentals of Social Psychology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC 604 or PSYC 640. Formerly PSYC640. A survey of classic and contemporary theories, research and methods in social psychology.

0101	Charles Stangor	Seats (Total: 20)
	M 9:30am - 12:00pm	BPS 3132

PSYC606 **Human Biopsychology**

PSYC606 Human Biopsychology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC 606 or PSYC 660. Formerly PSYC660. An introductory graduate level course in human psychobiology designed for graduate students with little specific training in this area. Introduction to the comparative and evolutionary approach to the study of human behavior, the biobehavioral basis of human sexuality and social behavior, the physiological basis of higher cortical functions in humans including language, memory, and spatial perception, and an introduction to neuropharmacology.

0101	David Yager	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 0205

PSYC612 **Theories of Personality**

PSYC612 *(PermReq)* **Theories of Personality; (3 credits)** Grade Method: REG/AUD.
Scientific requirements for a personality theory. Postulates and relevant research literature for several current personality theories.

0101	Barry Smith Tu 2:30pm - 5:00pm	Seats (Total: 20) BPS 1103

PSYC624 **Adult Psychopathology**

PSYC624 Adult Psychopathology; (3 credits) Grade Method: REG.
Prerequisite: permission of instructor. For PSYC majors only. Credit will be granted for only one of the following: PSYC 624 or PSYC 719. Formerly PSYC719. Examines the scientific and clinical literature relevant to normal and pathological behavior in adults and associated nosological systems for categorizing psychopathology. Issues relevant to etiology, differential diagnosis, and treatment planning are also considered.

0101	Shannon Couture Th 9:30am - 12:00pm	Seats (Total: 10) BPS 1103

PSYC629 **Clinical Laboratory**

PSYC629 *(PermReq)* **Clinical Laboratory; (1-3 credits)** Grade Method: S-F.

0101	Andres De Los Reyes TBA	Seats (Total: 10) BPS 2114
0201	Shannon Couture TBA	Seats (Total: 10) BPS 2114
0301	Lea Dougherty TBA	Seats (Total: 6) BPS 2114

PSYC638 **Externship in Professional Psychology**

PSYC638 Externship in Professional Psychology; (1-3 credits) Grade Method: S-F.

0101	Jack Blanchard Contact instructor or department for details.	Seats (Total: 20)

PSYC639 **Internship in Professional Psychology**

PSYC639 Internship in Professional Psychology; (1 credit) Grade Method: S-F.

0101	Jack Blanchard	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC643 **Ethical and Professional Issues in Clinical Psychology**

PSYC643 Ethical and Professional Issues in Clinical Psychology; (3 credits) Grade Method: REG.

Prerequisite: permission of instructor. For PSYC majors only. Credit will be granted for only one of the following: PSYC 643 or PSYC 719. Formerly PSYC719. An overview of the ethical and professional issues involved in psychological research, instruction, and practice, with special attention to advocacy and ethical decision making regarding a variety of primary, secondary, and tertiary clinical/community interventions.

0101	Mary Byrne	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	BPS 2114B

PSYC644 **Basic Foundation of Clinical Interventions**

PSYC644 Basic Foundation of Clinical Interventions; (3 credits) Grade Method: REG/AUD.

Prerequisite: permission of instructor. For PSYC majors only. General introduction to behavior theory and the basic behavioral principles that underlie behavior therapy. Provides an introduction to the philosophical, theoretical and empirical contributions of basic behavior analysis as they relate to behavior therapy, including examples of how behavior therapy is disconnected from its roots.

0101	Carl Lejuez	Seats (Total: 10)
	W 1:00pm - 4:00pm	COL 2103

PSYC679A **Seminar in Cognitive Development**

PSYC679A *(PermReq)* **Seminar in Cognitive Development; (3 credits)** Grade Method: REG/AUD.

0101	Amanda Woodward M 1:00pm - 4:00pm	Seats (Total: 10) BPS 1103

PSYC695 **Ethical and Professional Issues in Counseling Psychology**

PSYC695 *(PermReq)* **Ethical and Professional Issues in Counseling Psychology; (3 credits)** Grade Method: REG/AUD.
Only open to Counseling Psychology majors. Formerly: EDCP669 and EDCP688. Also offered as EDCP695. Credit will be granted for only one of the following: EDCP669, EDCP688, EDCP695, PSYC688 or PSYC695. Exploration of ethical and professional issues in Counseling Psychology.

0101	Karen O'Brien M 9:30am - 12:05pm	Seats (Total: 15) BPS 1103

PSYC697 **Multicultural Issues**

PSYC697 *(PermReq)* **Multicultural Issues; (3 credits)** Grade Method: REG/AUD.
Only open to Counseling Psychology majors. Also offered as EDCP697. Credit will be granted for only one of the following: EDCP697, EDCP699, or PSYC697. Formerly EDCP699. Exploration of knowledge, attitudes and skills for providing counseling and psychological services to culturally diverse populations.

0101	Nazish Salahuddin Tu 1:00pm - 4:00pm	Seats (Total: 10) BPS 2145

PSYC698 **Advanced Didactic-Practicum in Counseling Psychology**

PSYC698 *(PermReq)* **Advanced Didactic-Practicum in Counseling Psychology; (3 credits)** Grade Method: S-F.

0101	Charles Gelso W 1:00pm - 4:00pm	Seats (Total: 15) BPS 1112

PSYC700 **Theories and Strategies of Counseling Psychology**

PSYC700 *(PermReq)* **Theories and Strategies of Counseling Psychology; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: PSYC 700 or PSYC 711. Formerly PSYC711. Introduction to the professional field, examination of pertinent scientific and philosophical backgrounds, and survey of the major theories, principles, and training models in counseling. Correlated laboratory analogue experiences in dyadic and group interrelationships.

0101	Clara Hill	Seats (Total: 8)
	M 1:30pm - 4:30pm	BPS 2145

PSYC732 **Selection and Classification Issues in Organizations**

PSYC732 *(PermReq)* **Selection and Classification Issues in Organizations; (3 credits)** Grade Method: REG/AUD.
Prerequisites: PSYC 603, and PSYC 602 or equivalent, or permission of instructor. Consideration of societal, organizational and individual demands for appropriate use of individual differences in (primarily) initial placement of employees. Recruitment, and selection issues, the role of governmental regulations, and the role of individual factors in individual behavior are considered. Extensive coverage given to fundamental psycho-metric problems and the development of individual and organizational criteria of effectiveness.

0101	Paul Hanges	Seats (Total: 10)
	Tu 1:00pm - 3:30pm	BPS 3141

PSYC789 **Special Research Problems**

PSYC789 Special Research Problems; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC789D **Special Research Problems; Research Methods in Developmental Psychology**

PSYC789D *(PermReq)* **Special Research Problems: Research Methods in Developmental Psychology; (3 credits)** Grade Method: REG/AUD.

0101	Jude Cassidy Th 2:00pm - 4:30pm	Seats (Total: 10) BPS 0150

PSYC798D **Graduate Seminar; Animal Intelligence Seminar**

PSYC798D *(PermReq)* **Graduate Seminar: Animal Intelligence Seminar; (1-4 credits)** Grade Method: REG/AUD.

0101	William Hodos TuTh 2:00pm - 3:15pm	Seats (Total: 10) BPS 3132

PSYC798F **Graduate Seminar; Human Neuroanatomy**

PSYC798F *(PermReq)* **Graduate Seminar: Human Neuroanatomy; (1-4 credits)** Grade Method: REG/AUD.

0101	William Hodos TuTh 11:00am - 12:15pm	Seats (Total: 10) BPS 3132

PSYC798J **Graduate Seminar; Doing Psychological Research on the Internet**

PSYC798J *(PermReq)* **Graduate Seminar: Doing Psychological Research on the Internet; (3 credits)** Grade Method: REG/AUD.

0101	Kent Norman M 1:30pm - 4:00pm	Seats (Total: 10) BPS 1112

PSYC798L **Graduate Seminar; The Biopsychology of Aggression**

PSYC798L Graduate Seminar: The Biopsychology of Aggression; (3 credits) Grade Method: REG/AUD.

0101	Jens Herberholz W 9:00am - 11:30am	Seats (Total: 18) BPS 1112

PSYC799 **Master's Thesis Research**

PSYC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PSYC888A **Research Methods in Psychology; Aging and Longitudinal Methodology**

PSYC888A Research Methods in Psychology: Aging and Longitudinal Methodology; (1-3 credits) Grade Method: REG/AUD.

0101	Mo Wang	Seats (Total: 1)
	Contact instructor or department for details.	

PSYC888B **Research Methods in Psychology; Cross Culturism**

PSYC888B Research Methods in Psychology: Cross Culturism; (1-3 credits) Grade Method: REG/AUD.

0101	Michele Gelfand	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888C **Research Methods in Psychology; Consultation**

PSYC888C Research Methods in Psychology: Consultation; (1-3 credits) Grade Method: REG/AUD.
Psychology 601 and 602, at a minimum, and permission of instructor. Supe rvised experience in providing consultation to faculty and graduate stud ents in the design and analysis of plannned and ongoing research project s. May be repeated for credit.

0101	Kevin O'Grady	Seats (Total: 10)
	TBA	BPS 1145D

PSYC888D **Research Methods in Psychology; Cognitive Electropsychology Seminar**

PSYC888D Research Methods in Psychology: Cognitive Electropsychology Seminar; (1 credit) Grade Method: REG/AUD.

0101	Tracy Riggins	Seats (Total: 10)
	W 11:00am - 12:00pm	BPS 2109

PSYC888E **Research Methods in Psychology; Selection and Diversity**

PSYC888E Research Methods in Psychology: Selection and Diversity; (1-3 credits) Grade Method: REG/AUD.

0101	Paul Hanges	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888L **Research Methods in Psychology; Reserch in Levels and Attitudes**

PSYC888L Research Methods in Psychology: Reserch in Levels and Attitudes; (1-3 credits) Grade Method: REG/AUD.

0101	Cheri Ostroff	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC889 **Research Methods in Psychology**

PSYC889 Research Methods in Psychology; (1 credit) Grade Method: REG/AUD.

0101	Cheri Ostroff	Seats (Total: 10)
	Contact instructor or department for details.	
0201	Michael Dougherty	Seats (Total: 10)
	F 9:00am - 9:50am	BPS 1140

PSYC889A **Research Methods in Psychology; Developmental Seminar**

PSYC889A *(PermReq)* **Research Methods in Psychology: Developmental Seminar; (1-2 credits)** Grade Method: REG/AUD.

0101	Jude Cassidy	Seats (Total: 15)
	Tu 12:00pm - 1:15pm	BPS 1142

PSYC898 **Pre-Candidacy Research**

PSYC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

PSYC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PUAF Public Policy Fall 2009

PUAF201 **Leadership for the Common Good**

PUAF201 Leadership for the Common Good; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
Corequisite: CPSP118P. Restricted to College Park Scholars Public Leadership. Freshman standing. This course is designed to provide undergraduate students an introduction to leadership theory and a chance to practice a core set of practical skills relevant to transformational and collaborative leadership.

0101	David Crocker TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 25) CCC 1100 CCC 1100	 Discussion
0102	David Crocker TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 25) CCC 1100 CCC 1100	 Discussion
0103	David Crocker TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 25) CCC 1100 CCC 1100	 Discussion

PUAF302 **Leadership: Philosophy, Policy and Praxis**

PUAF302 *(PermReq)* **Leadership: Philosophy, Policy and Praxis; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to members of the Rawlings Undergraduate Leadership Fellows Program. Prerequisite: PUAF202. Leadership as a search for meaning, identity and purpose are explored. Also introduces major philosophical traditions, from the ancient world to the modern one, and encourages students to ground their leadership interests and aspirations in a disciplined process of self-reflection, critical thinking and inquiry.

0101	Janay Queen, Michael Speer W 3:30pm - 5:30pm Contact instructor or department for details.	Seats (Total: 25) TYD 2108

PUAF349 **Internship in Political Institutions: State and Local**

PUAF349 *(PermReq)* **Internship in Political Institutions: State and Local; (3-6 credits)** Grade Method: S-F.
Also offered as BSOS349.

0101	Nina Harris Contact instructor or department for details.	Seats (Total: 5)

PUAF359C **Contemporary Issues in Political Leadership and Participation; Advocacy in the American Political System**

PUAF359C Contemporary Issues in Political Leadership and Participation: Advocacy in the American Political System; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BSOS359C.

0101	Gerard Evans M 2:00pm - 4:35pm	Seats (Total: 65) CSS 2324

PUAF359W **Contemporary Issues in Political Leadership and Participation; Women and Politics**

PUAF359W Contemporary Issues in Political Leadership and Participation: Women and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BSOS359W.

0101	Frances Glendening W 4:15pm - 6:45pm	Seats (Total: 25) TLF 0101

PUAF388 **Special Topics in Public Policy**

PUAF388 *(PermReq)* **Special Topics in Public Policy; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Nina Harris	Seats (Total: 10)	
	Contact instructor or department for details.		

PUAF396 **Fellowship Program in Political Leadership**

PUAF396 *(PermReq)* **Fellowship Program in Political Leadership; (2-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department and acceptance of full-time fellowship program. Credit will be granted for only one of the following: BSOS396 or PUAF396. Formerly BSOS396. Individual instruction course. Also offered as BSOS396.

0101	Nina Harris	Seats (Total: 10)	
	Contact instructor or department for details.		

PUAF610 **Quantitative Aspects of Public Policy**

PUAF610 Quantitative Aspects of Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

0101	Madiha Afzal	Seats (Total: 25)	
	M 1:30pm - 4:00pm	VMH 1207	
	F 1:30pm - 4:00pm	VMH 1207	Discussion
0201	Madiha Afzal	Seats (Total: 25)	
	M 7:00pm - 9:30pm	VMH 1207	
	W 7:00pm - 9:30pm	VMH 1207	Discussion

0301	Madiha Afzal W 4:15pm - 6:45pm M 1:30pm - 4:15pm	Seats (Total: 25) VMH 1207 Location: TBA	 Discussion
0401	Rachel Franklin Tu 9:15am - 11:45am M 9:15am - 11:45am	Seats (Total: 25) VMH 1207 VMH 1107	 Discussion

PUAF611 **Quantitative Analysis of Policy Issues**

PUAF611 Quantitative Analysis of Policy Issues; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.

0101	Rachel Franklin M 7:00pm - 9:30pm Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203 VMH 1203	 Discussion
0201	Rachel Franklin W 7:00pm - 9:30pm Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203 Location: TBA	 Discussion

PUAF620 **Political Analysis**

PUAF620 Political Analysis; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.

0101	Christopher Foreman Th 4:15pm - 6:45pm	Seats (Total: 20) VMH 1203	

0201	Allen Schick TuTh 10:40am - 11:55am	Seats (Total: 25) VMH 1203	
0301	Christopher Foreman Th 9:15am - 11:45am	Seats (Total: 22) VMH 1107	
0401	Allen Schick TuTh 9:15am - 10:30am	Seats (Total: 25) VMH 1203	

PUAF640 **Microeconomic and Policy Analysis**

PUAF640 Microeconomic and Policy Analysis; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

0101	Randi Hjalmarsson Th 1:30pm - 4:00pm Tu 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207 VMH 1207	 Discussion
0201	Michael Busse Tu 1:30pm - 4:00pm W 1:30pm - 4:00pm *The discussion is optional.*	Seats (Total: 25) VMH 1207 VMH 1207	 Discussion
0301	Randi Hjalmarsson Th 7:00pm - 9:30pm Tu 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207 VMH 1207	 Discussion
0401	Michael Busse Tu 4:15pm - 6:45pm W 1:30pm - 4:00pm	Seats (Total: 22) KEY 0126 VMH 1207	 Discussion

PUAF641 **Macroeconomics and Policy Analysis**

PUAF641 Macroeconomics and Policy Analysis; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0101	William Helkie Tu 7:00pm - 9:30pm M 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203 VMH 1107	 Discussion

PUAF650 **Moral Dimensions of Public Policy**

PUAF650 Moral Dimensions of Public Policy; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

0101	Chloe Schwenke Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1107
0201	Thomas Hilde Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107
0301	Robert Sprinkle W 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107
0401	Mark Sagoff, Robert Wachbroit W 9:15am - 11:45am	Seats (Total: 20) VMH 1107
0501	Robert Sprinkle Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1203

PUAF670 **Finance**

PUAF670 Finance; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Introduction to principles of resource allocation over time, role of debt in context of changing sources of governmental revenues, long- and short-term debt instruments, analysis of mixed public-private economic development projects, leasing, and the impact of borrowing devices. Prerequisites PUAF 610 and 640.

0101	Tracy Gordon	Seats (Total: 20)
	W 4:15pm - 6:45pm	VMH 1203

PUAF671 **Public Sector Finance**
Contact department for information to register for this course.

PUAF692 **Leadership Principles and Practices**

PUAF692 Leadership Principles and Practices; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. This course will introduce leadership principles and practices to students by focussing on the theory of leadership, different leadership themes and skills, and discussions with practitioners.

0101	Judy Brown	Seats (Total: 22)
	F 9:15am - 3:45pm	Location: TBA
	Classes meet on Sept 11, 25, 26; Oct 23, 30; and Dec 4, 11.	

PUAF698A **Selected Topics in Public Affairs; Growth Managment: Land Use, Enviromental and Community Planning**
Contact department for information to register for this course.

PUAF698B **Selected Topics in Public Affairs; Restoration of the Chesapeake Bay**

PUAF698B Selected Topics in Public Affairs: Restoration of the Chesapeake Bay; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	Gerald Winegrad	Seats (Total: 20)
	M 4:15pm - 6:50pm	VMH 1101

PUAF698C **Selected Topics in Public Affairs; Intelligence, Policy Making and Politics**

Contact department for information to register for this course.

PUAF698E **Selected Topics in Public Affairs; Proseminar in Politics, Philosophy and Public Policy**

PUAF698E Selected Topics in Public Affairs: Proseminar in Politics, Philosophy and Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Also offered as PHIL688P.

0101	Alec Walen, Karol Soltan	Seats (Total: 15)
	Tu 12:30pm - 3:15pm	VMH 1107

PUAF698L **Selected Topics in Public Affairs**
Contact department for information to register for this course.

PUAF698N **Selected Topics in Public Affairs; Intelligence and National Security**

PUAF698N Selected Topics in Public Affairs: Intelligence and National Security; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	William Nolte	Seats (Total: 20)
	Th 4:15pm - 6:45pm	VMH 1101

PUAF698Q **Selected Topics in Public Affairs; Democracy and Democratization**

PUAF698Q Selected Topics in Public Affairs: Democracy and Democratization; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	David Crocker	Seats (Total: 20)
	Th 1:30pm - 4:00pm	VMH 1101

PUAF698R **Selected Topics in Public Affairs; Development Challenges**

PUAF698R Selected Topics in Public Affairs: Development Challenges; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	David Crocker	Seats (Total: 20)
	M 1:30pm - 4:05pm	VMH 1203

PUAF698T **Selected Topics in Public Affairs**
Contact department for information to register for this course.

PUAF698V **Selected Topics in Public Affairs; Managing Social Services**

PUAF698V Selected Topics in Public Affairs: Managing Social Services; (3 credits) Grade Method: REG.
For PUAF majors only or permission of department.

0101	Charles Short	Seats (Total: 24)
	W 4:15pm - 6:45pm	VMH 1107

PUAF698X **Selected Topics in Public Affairs**
Contact department for information to register for this course.

PUAF699 **Selected Topics Public Policy; Motivation and Intents of Terrorism**
Contact department for information to register for this course.

PUAF699A **Selected Topics Public Policy; Asset Management II**
Contact department for information to register for this course.

PUAF699B **Selected Topics Public Policy; Local Governance and Land Use Planning**
Contact department for information to register for this course.

PUAF699C **Selected Topics Public Policy; Results and Performance Results Accountability**
Contact department for information to register for this course.

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organizations**
Contact department for information to register for this course.

PUAF699J **Selected Topics Public Policy; Pathways to Development**

PUAF699J Selected Topics Public Policy: Pathways to Development; (3 credits)
Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	Allen Schick	Seats (Total: 22)
	W 4:15pm - 6:45pm	VMH 2101F

PUAF699M **Selected Topics Public Policy; acquisitions In National Security**
Contact department for information to register for this course.

PUAF699O **Selected Topics Public Policy; 21st Century Policy Challenges**
Contact department for information to register for this course.

PUAF699R **Selected Topics Public Policy; Critical Thinking and Analytic Methodology**
Contact department for information to register for this course.

PUAF699T **Selected Topics Public Policy; Terrorism Analysis: Tools & Practices**
Contact department for information to register for this course.

PUAF699W **Selected Topics Public Policy; Motivations and Intents of Terrorism**
Contact department for information to register for this course.

PUAF699X **Selected Topics Public Policy; Organizational Behavior**
Contact department for information to register for this course.

PUAF700 **U.S. Trade: Policy and Politics**

PUAF700 U.S. Trade: Policy and Politics; (3 credits) Grade Method: REG/AUD. *Prerequisites: {PUAF 620; and PUAF 640; and PUAF 641}. For PUAF majors only or permission of department.* Interplay between government and private interests in shaping official actions that affect international trade. Policy tools available to influence balance, magnitude, and composition of imports and exports. Evolution of executive, congressional and quasi-judicial government institutions under increased U.S. international trade exposure and trade deficit.

0101	I M Mac Destler	Seats (Total: 22)
	Tu 1:30pm - 4:00pm	VMH 1101

PUAF706 **Public Policymaking for Journalists**

PUAF706 Public Policymaking for Journalists; (3 credits) Grade Method: REG/AUD.
For JOUR majors only. Focuses on the political, procedural and administrative realities of policy formation and implementation. Specifically for the Journalism students who staff the Capital News Service.

0101	Catherine Riley M 1:00pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF711 **Public Management and Leadership**

PUAF711 Public Management and Leadership; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0101	Jacques Gansler M 4:15pm - 6:50pm	Seats (Total: 20) VMH 1107
0201	Kenneth Apfel M 1:30pm - 4:05pm	Seats (Total: 18) VMH 1107
0301	Elizabeth Duke Tu 9:15am - 11:45am	Seats (Total: 22) VMH 1107

PUAF712 **Analysis of Fiscal Conditions**

PUAF712 Analysis of Fiscal Conditions; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. The financial operations of U.S. government at various levels, with emphasis on local governments. Practical problems in revenue management, including revenue forecasting and cash flow analysis; debt management operations, such as borrowing; intergovernmental financial operations, such as grants management and reporting requirements, and personnel management issues that have a direct bearing on governmental finances.

0101	Marita Brown Tu 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101

PUAF715 **Government and Non-Profit Accounting**
Contact department for information to register for this course.

PUAF716 **State and Local Government Budgeting**

PUAF716 State and Local Government Budgeting; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. State and local government practices as a laboratory for studying public sector financial management.

0101	Marita Brown	Seats (Total: 20)
	W 7:00pm - 9:30pm	VMH 1101

PUAF717 **Federal Budgeting: Policy and Process**
Contact department for information to register for this course.

PUAF720 **International Security Policy**

PUAF720 International Security Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: For PUAF majors only or permission of department. Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

0101	John Steinbruner	Seats (Total: 20)
	Tu 4:15pm - 6:45pm	VMH 1107

PUAF722 **Terrorism and Democracy**
Contact department for information to register for this course.

PUAF724 **Problems of Global Security**
Contact department for information to register for this course.

PUAF734 **Foundations of Social Policy**

PUAF734 Foundations of Social Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only. Provides an overview of government's role in social policy and the history of the development of federal and state policies with respect to welfare, aging, education, and housing. Analyzes current federal institutions and legislation in the same policy areas and the demographic history of the United States. Develops skills in analytic writing and presentation of descriptive data.

0101	Kenneth Apfel Tu 4:15pm - 6:45pm	Seats (Total: 18) VMH 1207

PUAF735 **Health Policy**

PUAF735 Health Policy; (3 credits) Grade Method: REG/AUD.
Analyzes the origins, history, status, and future of health care as problems in political and economic theory and as puzzles in policy formation. Considers current American reform controversies in the light of several disciplines and in comparison to foreign experiences and structures.

0101	Jack Meyer Th 7:00pm - 9:30pm	Seats (Total: 24) VMH 2101F

PUAF737 **Strategies of Equality**

PUAF737 Strategies of Equality; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Formerly PUAF698Y.
Concentrates on the institutional and political means by which disadvantaged segments of the United States population have sought to enhance their social, economic and political prospects. Race, gender and disability are the substantive focal points, with considerable attention given to the challanges of African American socio-political uplift. Also explores legislation, litigation, administration, agitation (i.e. protest), and constitutional reform. Students become familiar with alternative conceptions of equality and the modes of argument employed in different institutional and political contexts.

0101	Christopher Foreman M 4:15pm - 6:45pm	Seats (Total: 22) Location: TBA

PUAF741 **Global Environmental Problems**

PUAF741 Global Environmental Problems; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Suitability of analytic tools for examining global environmental problems, human overpopulation, land abuse, ozone depletion, climate change, acid rain, loss of biological diversity, the scarcity of food, fresh water, energy and nonfuel mineral resources, and health hazards of pollutants toxic metals and radiation.

0101	Katherine Delhotal	Seats (Total: 20)	
	Tu 4:15pm - 6:45pm	VMH 1203	
	Tu 7:00pm - 9:30pm	VMH 1107	Discussion

PUAF742 **Environmental Ethics**

PUAF742 Environmental Ethics; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Analyzes issues such as the relation between human beings and nature from the perspectives of the science, history, philosophy, and religion. Considers the bases for policies such as environmental regulation, public lands, and international conventions with respect to the environment.

0101	Thomas Hilde	Seats (Total: 20)
	W 4:15pm - 6:45pm	VMH 1101

PUAF744 **Environment and Development**

PUAF744 Environment and Development; (3 credits) Grade Method: REG/AUD.
Analyzes sustainable development and its conflicting interpretations. The dominant view, as expressed in the World Bank's 1992 World Development Report, is studied, along with some critical responses. Further readings on issues of population, consumption and development indicators.

0101	Thomas Hilde	Seats (Total: 24)
	Th 4:15pm - 6:45pm	VMH 1107

PUAF745 **Human Health and Environmental Policy**

PUAF745 Human Health and Environmental Policy; (3 credits) Grade Method: REG/AUD.
Reviews the major human physiological systems and their integrated toxicological functions; considers key bodily defenses; and discusses classic, emerging, and ambiguous risks; in all ecological context. Applies to scientific controversy, the methods of policy formation, such as risk analysis, social-cost analysis, "outcomes" analysis, and decision analysis, all in political-economic context.

0101	Robert Sprinkle	Seats (Total: 20)
	Tu 1:30pm - 4:00pm	VMH 1203

PUAF752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

PUAF752 Managing Differences:Resolving Conflict and Negotiating Agreements; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

0101	Charles Field	Seats (Total: 20)
	M 4:15pm - 6:50pm	VMH 1203

PUAF770 **Seminar in Housing and Community Development Strategies**
Contact department for information to register for this course.

PUAF771 **Housing and Community Development Overview**
Contact department for information to register for this course.

PUAF772 **Housing Finance**
Contact department for information to register for this course.

PUAF773 **Housing Clinic**
Contact department for information to register for this course.

PUAF774 **Asset Management**
Contact department for information to register for this course.

PUAF781 **International Economic Policy**

PUAF781 International Economic Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

0101	Carmen Reinhart M 4:15pm - 6:45pm W 7:00pm - 9:30pm	Seats (Total: 20) VMH 1207 VMH 1107	 Discussion

PUAF790 **Project Course**
Contact department for information to register for this course.

PUAF798A **Readings in Public Policy**

PUAF798A Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy**

PUAF798B Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798F **Readings in Public Policy; Environmental Finance Strategies and Solutions**

PUAF798F Readings in Public Policy: Environmental Finance Strategies and Solutions; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

RB01	Frances Dubrowski W 5:30pm - 8:00pm	Seats (Total: 10) Location: TBA
	This course meets at EPAs Ariel Rios Bldg in Washington, DC.	

PUAF798J **Readings in Public Policy; Contemporary Water Resources Management**

PUAF798J Readings in Public Policy: Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Also offered as ENCE688J. Credit will granted for one of the following: ENCE688J, ENPP620, or PUAF798J.

0101	Gerald Galloway M 5:00pm - 7:30pm	Seats (Total: 20) EGR 1102

PUAF798M **Readings in Public Policy; Arms Control and Non-Proliferation Policy**

PUAF798M Readings in Public Policy: Arms Control and Non-Proliferation Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: PUAF720 or permission of instructor.

0101	Nancy Gallagher M 1:30pm - 4:00pm	Seats (Total: 15) Location: TBA

PUAF798Q **Readings in Public Policy; Ethics of War and Conflict**

PUAF798Q Readings in Public Policy: Ethics of War and Conflict; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	Daniel Levine W 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF798V **Readings in Public Policy; Topics in Tax Policy**

PUAF798V Readings in Public Policy: Topics in Tax Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	Tracy Gordon Th 4:15pm - 6:45pm	Seats (Total: 20) VMH 1207

PUAF798X **Readings in Public Policy**
Contact department for information to register for this course.

PUAF898 **Pre-Candidacy Research**

PUAF898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

PUAF899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RDEV Real Estate Development Fall 2009

RDEV630 **Fundamentals of Real Estate Development and Finance**

RDEV630 Fundamentals of Real Estate Development and Finance; (3 credits) Grade Method: REG.
For RDEV majors or others with permission of department. Credit will be granted for only one of the following: RDEV630, RDEV688B, or URSP664. Formerly RDEV688B. An introduction to real estate development and the foundational concepts of finance and particular financial measures in underwriting real estate projects. Quantitative analyses and financial modeling comprise the main focus.

0101	Robert Rosenfeld	Seats (Total: 30)
	M 7:00pm - 9:40pm	ARC 1105

RDEV650 **Essentials of Design and Construction Management for Development Professionals**

RDEV650 Essentials of Design and Construction Management for Development Professionals; (3 credits) Grade Method: REG.
For RDEV majors or permission of department. Corequisite: RDEV640 and RDEV610. Credit will be granted for only one of the following: RDEV650 or RDEV688C. Formerly RDEV688C. Essential terminology, process and substantative knowledge needed by development professionals to effectively move a project through the design and construction process; includes environmental and ethical considerations throughout the process.

0101	Steven Shapiro	Seats (Total: 27)
	Tu 7:00pm - 9:40pm	ARC 1103

RDEV688A **Selected Topics in Real Estate Development; Development Law, Process and Ethics**

RDEV688A *(PermReq)* **Selected Topics in Real Estate Development: Development Law, Process and Ethics; (3 credits)** Grade Method: REG.
For RDEV majors only or permission of the department.

0101	Margaret McFarland Th 7:00pm - 9:40pm	Seats (Total: 30) ARC 1105

RDEV688E **Selected Topics in Real Estate Development; Resolving Conflict and Negotiating Agreements**

RDEV688E Selected Topics in Real Estate Development: Resolving Conflict and Negotiating Agreements; (3 credits) Grade Method: REG/AUD.
For RDEV majors only or permission of the department.

0101	Charles Field W 7:00pm - 9:40pm	Seats (Total: 30) ARC 1105

RDEV688I **Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

RDEV688I *(PermReq)* **Selected Topics in Real Estate Development: Capstone Seminar in Real Estate Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Jonathan Eisen M 7:00pm - 9:40pm	Seats (Total: 15) ARC 1127
0102	Margaret McFarland M 8:00am - 10:40am	Seats (Total: 15) ARC 1127
0103	James Agliata Th 7:00pm - 9:40pm	Seats (Total: 15) ASY 3217
0104	Margaret McFarland W 7:00pm - 9:40pm	Seats (Total: 15) ARC 1123

RDEV688K **Selected Topics in Real Estate Development; Tax and Accounting for Real Estate Developers**

RDEV688K *(PermReq)* **Selected Topics in Real Estate Development: Tax and Accounting for Real Estate Developers; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of the Department.

0101	David Kessler, Ivan Silverman M 7:00pm - 9:40pm	Seats (Total: 27) ARC 1101

RDEV688M **Selected Topics in Real Estate Development; Asset Mangement for Commercial Properties**

RDEV688M *(PermReq)* **Selected Topics in Real Estate Development: Asset Mangement for Commercial Properties; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of the Department.

0101	Herbert Behre	Seats (Total: 20)
	W 7:00pm - 9:40pm	ASY 3211

RDEV688P **Selected Topics in Real Estate Development; Entrepreneurship Basics for Real Estate Developers**

RDEV688P Selected Topics in Real Estate Development: Entrepreneurship Basics for Real Estate Developers; (3 credits) Grade Method: REG/AUD.
For RDEV majors only or permission of the department.

0101	James Green	Seats (Total: 15)
	Tu 7:00pm - 9:40pm	ARC 1121

RDEV688R **Selected Topics in Real Estate Development; Roots and Rudiments of Affordable Housing**

RDEV688R Selected Topics in Real Estate Development: Roots and Rudiments of Affordable Housing; (3 credits) Grade Method: REG/AUD.
For RDEV majors only or permission of the department.

0101	Robert Kenison	Seats (Total: 20)
	Th 7:00pm - 9:40pm	ARC 1125

RDEV688X **Selected Topics in Real Estate Development; Introduction to Principles, Practice and Process**

RDEV688X *(PermReq)* **Selected Topics in Real Estate Development: Introduction to Principles, Practice and Process; (3 credits)** Grade Method: REG/AUD.
Prerequisites: Permission of the Department Required: Not open to studen ts who completed RDEV689X or RDEV689W.

0101	Germano Gomez, Margaret McFarland	Seats (Total: 30)
	W 7:00pm - 9:45pm	ARC 1103

RDEV688Y **Selected Topics in Real Estate Development; Practical Issues in Sustainability for Business, Finance and Real Estate**

RDEV688Y *(PermReq)* **Selected Topics in Real Estate Development: Practical Issues in Sustainability for Business, Finance and Real Estate; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of the department.

0101	Dan Winters	Seats (Total: 15)
	Th 7:00pm - 9:45pm	ARC 1121

RDEV689D **Current Topics in Real Estate Development; Design and Development Project Competition**

RDEV689D *(PermReq)* **Current Topics in Real Estate Development: Design and Development Project Competition; (1 credit)** Grade Method: REG/AUD.

0105	Margaret McFarland	Seats (Total: 6)
	M 6:00pm - 6:50pm	Location: TBA

RDEV689M **Current Topics in Real Estate Development; Entitlements, Market Analysis and Valuation for Developers**

RDEV689M *(PermReq)* **Current Topics in Real Estate Development: Entitlements, Market Analysis and Valuation for Developers; (3 credits)** Grade Method: REG/AUD.

0101	Robert Lefenfeld	Seats (Total: 20)
	Tu 7:00pm - 9:45pm	ARC 1101

RELS Religious Studies Fall 2009

RELS419M **Advanced Topics in Religious Studies; Religion and Popular Culture**

RELS419M Advanced Topics in Religious Studies: Religion and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Strongly Recommended: HIST216.

0101	Maxine Grossman	Seats (Total: 30)
	Th 4:00pm - 6:30pm	HZF 0101

RELS619 **Directed Readings in Religous Studies**

RELS619 Directed Readings in Religous Studies; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS Russian Fall 2009

RUSS101 **Intensive Elementary Russian I**

RUSS101 Intensive Elementary Russian I; (6 credits) Grade Method: REG/P-F/AUD.
Not open to native speakers of Russian. Credit will be granted for only one of the following: RUSS101; or RUSS111 and RUSS112. This intensive first-year course is intended to develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence. This course has been put on a timed release system. Seats will be opended gradually by the registrar's office, to a total of 15 seats per section.

0101	Elizabeth Papazian MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1103 JMZ 1103
0201	Elizabeth Papazian MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1124 JMZ 1103

RUSS111 **Elementary Russian I (Non-Intensive)**

RUSS111 Elementary Russian I (Non-Intensive); (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: RUSS101; or RUSS111 and RUSS112. Begins the development of the basic skills required for communicative competence in Russian: speaking, listening, writing and reading. RUSS111 and RUSS112 are equivalent to RUSS101: Intensive Elementary Russian I. This course has been put on a timed release system. Seats will be opened gradually by the registrar's office, to a total of 15.

0101	Elizabeth Papazian MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 1117

RUSS201 **Intermediate Russian I**

RUSS201 Intermediate Russian I; (5 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: RUSS102 or RUSS114 or equivalent. Not open to native speakers of Russian. Continued activation and expansion of skills and knowledge acquired in an elementary Russian course with the goal of communicative competence.

0101	Cynthia Martin MW 11:00am - 12:50pm F 11:00am - 11:50am	Seats (Total: 15) JMZ 1122 JMZ 1122

RUSS298P **Dostoevsky and the Russian Soul**

RUSS298P Dostoevsky and the Russian Soul; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.

0101	Marianna Landa TuTh 12:30pm - 1:45pm	Seats (Total: 32) JMZ 0125

RUSS301 **Advanced Russian I**

RUSS301 Advanced Russian I; (3 credits) Grade Method: REG/AUD.
Not open to Native Speakers of Russian. Prerequisite: RUSS202 or equivalent. Advanced training in written Russian communicative structures.

0101	Marianna Landa TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2122
0201	Kira Gor TuTh 9:30am - 10:45am	Seats (Total: 15) ASY 3221

RUSS321 **Survey of Russian Literature I**

RUSS321 Survey of Russian Literature I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS202 or equivalent. The first half of a survey of Russian literature.

0101	Elizabeth Papazian MW 2:00pm - 3:15pm	Seats (Total: 15) JMZ 1120

RUSS381 **Russian Civilization (in Russian) I**

RUSS381 Russian Civilization (in Russian) I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS202. A historical survey of Russian civilization emphasizing architecture, painting, sculpture, music, ballet and the theater to the beginning of the 19th century pointing out the interrelationship of all with literary movements. Taught in Russian.

0101	Donald Hitchcock	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 1123

RUSS386 **Experiential Learning**

RUSS386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

RUSS398C **Selected Topics in Russian Language and Literature; Contemporary Language and Culture for Heritage Learners**

RUSS398C *(PermReq)* **Selected Topics in Russian Language and Literature: Contemporary Language and Culture for Heritage Learners; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Kira Gor	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	JMZ 3120

RUSS401 **Advanced Russian Composition**

RUSS401 Advanced Russian Composition; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native speakers of Russian. Prerequisite: RUSS302 or equivalent. Approaches to argumentation, organization of information, contextualized grammar, appropriateness of lexical choice, genre, and register.

0101	Maria Lekic	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 3122

RUSS409F **Selected Topics in Russian Language Study; Advance Proficiency in Russian**

RUSS409F *(PermReq)* **Selected Topics in Russian Language Study: Advance Proficiency in Russian; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Maria Lekic	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	JMZ 1211

RUSS411 **Linguistic Analysis of Russian I**

RUSS411 Linguistic Analysis of Russian I; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: RUSS301. Elucidation of theoretical concepts of modern linguistics through the analysis of problematic concepts in the Russian linguistic system. Phonology and the syntax of the simple sentence.

0101	Donald Hitchcock	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 1123

RUSS499 **Independent Study in Russian**

RUSS499 Independent Study in Russian; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS798 **Independent Study**

RUSS798 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS799 **Thesis Research**

RUSS799 Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA Second Language Acquisition and Application Fall 2009

SLAA719 **Second Language Acquisition and Application Internship**

SLAA719 Second Language Acquisition and Application Internship; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA744 **Age Effects in Second Language Learning**

SLAA744 Age Effects in Second Language Learning; (3 credits) Grade Method: REG/AUD.
Prerequisite: SLAA610 and permission of instructor. Credit will be granted for only one of the following: SLAA649M or SLAA744. Formerly SLAA649M. Consideration of the empirical evidence for age effects in second language learning and its potential confounds. Critical evaluation of the differing interpretations of these effects and their implications for educational practice, SLA theory, development psychology, and research methodology.

0101	Robert De Keyser	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	JMZ 2206

SLAA749T **Special Topics in Second Language Learning; Language Transfer**

SLAA749T Special Topics in Second Language Learning: Language Transfer; (3 credits) Grade Method: REG/AUD.

0101	Nan Jiang	Seats (Total: 15)
	M 4:30pm - 7:00pm	JMZ 2206

SLAA779 **Directed Research in Second Language Acquisition and Application**

SLAA779 Directed Research in Second Language Acquisition and Application; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA798 **Master's Independent Study**

SLAA798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA799 **Master's Thesis Research**

SLAA799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888 **Doctoral Independent Study**

SLAA888 Doctoral Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888R **Doctoral Independent Study; Research Critique**

SLAA888R Doctoral Independent Study: Research Critique; (1 credit) Grade Method: REG/AUD.

0101	Kira Gor	Seats (Total: 15)
	Th 5:30pm - 7:00pm	JMZ 2206

SLAA898 **Pre-Candidacy Research**

SLAA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA899 **Doctoral Dissertation Research**

SLAA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC School of Languages, Literatures and Cultures Fall 2009

SLLC199R **Special Topics in Language Study; Introduction to Italian Language and Culture**
Contact department for information to register for this course.

SLLC299R **Special Topics in World Cultures; Elementary Italian I**
Contact department for information to register for this course.

SLLC472 **International Business Cultures in Engineering and Technology**

SLLC472 *(PermReq)* **International Business Cultures in Engineering and Technology; (3 credits)** Grade Method: REG/P-F/AUD.
Sophomore standing. Also offered as ENES472. Credit will be granted for only one of the following: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472 or SLLC473. Formerly ARHU439T. The goal of this course is to provide students with an understanding of cultural aspects pertaining to global business and engineering, and thereby increasing their awareness of the cultural factors that motivate decisions and behavior in the business world. Students will gain an understanding of how the business cultures in the rest of the world diverge from the American, and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment.

0101	Caine Francis	Seats (Total: 30)
	TuTh 5:00pm - 6:15pm	EGR 2116

SLLC499G **Special Topics in World Cultures; Berlin: A Multicultural City**

SLLC499G Special Topics in World Cultures: Berlin: A Multicultural City; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GERM489A.

0101	Julie Koser	Seats (Total: 25)
	MW 3:00pm - 4:15pm	JMZ 1215

SLLC601 **Teaching Foreign Languages in Higher Education**

SLLC601 *(PermReq)* **Teaching Foreign Languages in Higher Education; (1 credit)** Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: SLLC 601 or SPAN 605. Formerly SPAN605. Methods and materials for teaching foreign languages in higher education.

0101	Manel Lacorte M 3:00pm - 4:30pm	Seats (Total: 20) JMZ 3205

SLLC698C **Special Topics in Interdisciplinary Studies; Colloquium in Comparative Studies**

SLLC698C *(PermReq)* **Special Topics in Interdisciplinary Studies: Colloquium in Comparative Studies; (1 credit)** Grade Method: REG/AUD.

0101	Lauretta Clough, Zita Nunes Contact instructor or department for details.	Seats (Total: 12)

SLLC789 **Master's Independent Study**

SLLC789 Master's Independent Study; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY Sociology Fall 2009

SOCY100 **Introduction to Sociology**

SOCY100 Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD.
CORE Behavioral and Social Science (SB) Course.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change. Prerequisite for other sociology courses.

0101	Larry Hunt TuTh 9:30am - 10:45am	Seats (Total: 60) TYD 1102
0201	Emily Mann MWF 10:00am - 10:50am	Seats (Total: 60) ASY 2309

0301	Margaret Duffy MWF 9:00am - 9:50am	Seats (Total: 60) ASY 2309	
0401	Larry Hunt TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 1213	
0501	Joseph Lengermann MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) ASY 2203 ASY 3207	 Discussion
0502	Joseph Lengermann MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) ASY 2203 ASY 3221	 Discussion
0503	Joseph Lengermann MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ASY 2203 ASY 3221	 Discussion
0504	Joseph Lengermann MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0505	Joseph Lengermann MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0506	Joseph Lengermann MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0507	Joseph Lengermann MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 21) ASY 2203 ASY 3211	 Discussion
0508	Joseph Lengermann MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3215	 Discussion
0509	Joseph Lengermann MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3215	 Discussion

0601	John Pease TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 22) ASY 2203 ASY 3221	Discussion
0602	John Pease TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 21) ASY 2203 ASY 3203	Discussion
0603	John Pease TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 16) ASY 2203 CCC 1111	Discussion
0604	John Pease TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 21) ASY 2203 TWS 0236	Discussion
0605	John Pease TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 21) ASY 2203 ARC 1121	Discussion
0606	John Pease TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3203	Discussion
0607	John Pease TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ARC 1125	Discussion
0608	John Pease TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3219	Discussion
0609	John Pease TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3219	Discussion
0701	Margaret Duffy MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309	
0801	Mehrdad Mashayekhi MW 3:30pm - 4:45pm	Seats (Total: 60) ASY 2309	

FC01	Joseph Lengermann MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) ASY 2309	
FC02	John Pease TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) ASY 3203	
FC03	Amber Nelson MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) KEY 0103	

SOCY100H **Introduction to Sociology**

SOCY100H Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD.
CORE Behavioral and Social Science (SB) Course.
Open to Honor students only.

0101	Dawn Norris TuTh 2:00pm - 3:15pm	Seats (Total: 25) ASY 3207	

SOCY100S **Introduction to Sociology**

SOCY100S Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD.
CORE Behavioral and Social Science (SB) Course.

0602	John Pease TuTh 12:30pm - 1:45pm F 9:00am - 9:50am *Restricted to students in College Park Scholars Advocates for Children and American Cultures.*	Seats (Total: 0) ASY 2203 ASY 3203	 Discussion
0603	John Pease TuTh 12:30pm - 1:45pm F 10:00am - 10:50am *Restricted to CPSP - Science, Technology and Society.*	Seats (Total: 0) ASY 2203 CCC 1111	 Discussion

0604	John Pease TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 0) ASY 2203 TWS 0236	 Discussion
	Restricted to students in College Park Scholars Advocated for Children and American Cultures.		

SOCY105 **Introduction to Contemporary Social Problems**

SOCY105 Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Michelle Smirnova TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213	
0201	Cagri Tanyol TuTh 12:30pm - 1:45pm	Seats (Total: 40) ASY 2309	
0301	Michelle Beadle Holder MWF 9:00am - 9:50am	Seats (Total: 60) ASY 1213	
0401	Molly Clever MW 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309	
0501	Nihal Celik TuTh 3:30pm - 4:45pm	Seats (Total: 60) ASY 1213	
FC01	Emily Mann TuTh 6:00pm - 7:15pm	Seats (Total: 45) PLS 1130	
	Restricted to students in Freshmen Connection.		

SOCY105U **Introduction to Contemporary Social Problems**

SOCY105U Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

0201	Cagri Tanyol TuTh 12:30pm - 1:45pm	Seats (Total: 0) ASY 2309	

SOCY201 **Introductory Statistics for Sociology**

SOCY201 *(PermReq)* **Introductory Statistics for Sociology; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SOCY100 and MATH111 or equivalent. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates. Required for majors.

0101	Alan Neustadtl TuTh 11:00am - 12:15pm W 8:00am - 9:50am	Seats (Total: 20) ASY 2309 ASY 3219	 Lab
0102	Alan Neustadtl TuTh 11:00am - 12:15pm W 10:00am - 11:50am	Seats (Total: 20) ASY 2309 ASY 3217	 Lab
0103	Alan Neustadtl TuTh 11:00am - 12:15pm W 1:00pm - 2:50pm	Seats (Total: 20) ASY 2309 ASY 3219	 Lab
0104	Alan Neustadtl TuTh 11:00am - 12:15pm W 10:00am - 11:50am	Seats (Total: 20) ASY 2309 EDU 1210B	 Lab

SOCY202 **Introduction to Research Methods in Sociology**

SOCY202 Introduction to Research Methods in Sociology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY201. The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing. To be taken immediately after SOCY 201. Required for majors.

0101	Kris Marsh TuTh 11:00am - 12:15pm M 9:00am - 10:50am	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0102	Kris Marsh TuTh 11:00am - 12:15pm M 11:00am - 12:50pm	Seats (Total: 20) ASY 1213 ASY 3211	 Lab
0103	Kris Marsh TuTh 11:00am - 12:15pm F 9:00am - 10:50am	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0104	Kris Marsh TuTh 11:00am - 12:15pm F 11:00am - 12:50pm	Seats (Total: 20) ASY 1213 ASY 3217	 Lab

SOCY203 **Sociological Theory**

SOCY203 Sociological Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SOCY100.* Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors. Required for sociology majors.

0101	Laura Mamo TuTh 12:30pm - 1:45pm	Seats (Total: 35) ARC 1105
0201	Roberto Korzeniewicz TuTh 11:00am - 12:15pm	Seats (Total: 35) ASY 3207
0301	Paul Dean MW 2:00pm - 3:15pm	Seats (Total: 35) ASY 3207

SOCY227 **Introduction to the Study of Deviance**

SOCY227 Introduction to the Study of Deviance; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: SOCY227 or SOCY327. Formerly SOCY327. An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

0101	Zsuzsa Daczo MW 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213
0201	Donna Minnich MWF 1:00pm - 1:50pm	Seats (Total: 60) ASY 1213

SOCY230 **Sociological Social Psychology**

SOCY230 Sociological Social Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

0101	Christopher Andrews MW 2:00pm - 3:15pm	Seats (Total: 175) ASY 2203

SOCY241 **Inequality in American Society**

SOCY241 Inequality in American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The dynamics of inequality: its social production, politics, future, and ideological bases. Utopian communities, efforts to eliminate inequality.

0101	Mehrdad Mashayekhi MWF 12:00pm - 12:50pm	Seats (Total: 50) ASY 3207

SOCY305 **Scarcity and Modern Society**

SOCY305 Scarcity and Modern Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: three credits of sociology.* Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.

0101	Kurt Finsterbusch TuTh 9:30am - 10:45am	Seats (Total: 60) ASY 1213

SOCY325 **The Sociology of Gender**

SOCY325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: three credits of sociology. Also offered as WMST325. Credit will be granted for only one of the following: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Valerie Chepp MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0201	Lester Andrist MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213
0301	Mehmet Ergun MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213
0401	Michelle Corbin TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309

SOCY380 **Honors Independent Reading in Sociology**

SOCY380 *(PermReq)* **Honors Independent Reading in Sociology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly SOCY378. This course permits sociology honor students to undertake a program or reading on a particular problem in sociology or a subfield therein. The reading will be done under the supervision of a member of the sociology faculty. Required of sociology honor students.

0101	William Falk Contact instructor or department for details.	Seats (Total: 20)

SOCY381 **Honors Independent Research in Sociology**

SOCY381 *(PermReq)* **Honors Independent Research in Sociology; (3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY380. Formerly SOCY388. This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

SOCY383 *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY381. Formerly SOCY389. Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

SOCY386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

Contact department for information to register for this course.

SOCY398L **Special Topics in Sociology; Service Learning**

SOCY398L *(PermReq)* **Special Topics in Sociology: Service Learning; (1 credit)**
Grade Method: REG/P-F/AUD.
Formerly: SOCY398S.

0101	Linda Moghadam M 3:00pm - 5:30pm	Seats (Total: 10) Location: TBA

SOCY398M **Special Topics in Sociology; Microbrewing and Society**

SOCY398M Special Topics in Sociology: Microbrewing and Society; (1 credit) Grade Method: REG/P-F/AUD.

0101	John Robinson	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY398R **Special Topics in Sociology; Morris Rosenburg Lecture and Reading**

SOCY398R Special Topics in Sociology: Morris Rosenburg Lecture and Reading; (1 credit) Grade Method: REG/P-F/AUD.

0101	Linda Moghadam	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY399 **Independent Study in Sociology**

SOCY399 *(PermReq)* **Independent Study in Sociology; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
No more than 6 hours of 399 is allowed for credit.

Contact department for information to register for this course.

SOCY402 **Intermediate Procedures For Data Collection**

SOCY402 Intermediate Procedures For Data Collection; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY202 or equivalent; or permission of department. An intermediate survey of the major research methods used by sociologists, including survey research, experimentation, observation, archival research, and in-depth interviewing. The selection of an appropriate research method, with analysis of the strengths and weaknesses of various methods, practical issues, data collection and preparation, and analytical techniques.

0101	John Robinson	Seats (Total: 30)
	M 3:30pm - 6:10pm	ASY 3203

SOCY410 **Social Demography**

SOCY410 Social Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.

0101	Elizabeth Arias	Seats (Total: 35)
	MWF 10:00am - 10:50am	ASY 3203

SOCY412 **Family Demography**

SOCY412 Family Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology course work. Formerly SOCY312.* Family and population dynamics. Fertility issues, such as teenage pregnancy, the timing of parenthood, and family size; as they relate to family behavior, such as marital patterns, child care use, and work and the family. Policy issues that relate to demographic changes in the family.

0101	Melissa Buckmiller	Seats (Total: 35)
	MW 2:00pm - 3:15pm	TWS 0221

SOCY424 **Sociology of Race Relations**

SOCY424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits in sociology or permission of department. Also offered as AAST424. Credit will be granted for only one of the following: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0101	Kris Marsh	Seats (Total: 30)
	TuTh 8:00am - 9:15am	ASY 3203

SOCY430 **Social Structure and Identity**

SOCY430 Social Structure and Identity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Theoretical issues in social psychology, focusing on social construction of identity. Identity formation and transformation in social process. Structural and cultural dimensions of social identity.

0101	Christopher Andrews MW 4:00pm - 5:15pm	Seats (Total: 35) TYD 2106

SOCY431 **Principles of Organizations**

SOCY431 Principles of Organizations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.

0101	Eric Dahlin TuTh 9:30am - 10:45am	Seats (Total: 35) ASY 3207
0201	Kurt Finsterbusch TuTh 5:00pm - 6:15pm	Seats (Total: 35) TYD 2111

SOCY440 **Sociology of the Self-Concept**

SOCY440 Sociology of the Self-Concept; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. The nature of the self-concept and the social forces that mold it. Major sociological, psychological, and psycho-analytic theories of the self-concept. Self-concept motives, mechanisms of self-defense, and the nature of a healthy self-concept. Empirical research dealing with the bearing of social interaction, social structure, social context and social institutions on the self-concept.

0101	Melissa Milkie MWF 11:00am - 11:50am	Seats (Total: 35) ASY 3203

SOCY441 **Social Stratification and Inequality**

SOCY441 Social Stratification and Inequality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Junior standing. The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

0101	John Pease	Seats (Total: 99)
	TuTh 9:30am - 10:45am	ASY 2309

SOCY443 **The Family and Society**

SOCY443 The Family and Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Study of the family as a social institution; its biological and cultural foundations, historical development, changing structures and functions, the interaction of marriage and parenthood, disorganizing and reorganizing factors in present-day trends.

0101	Linda Moghadam	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ASY 3207

SOCY450 **Measurement of Time, Work, and Leisure**

SOCY450 Measurement of Time, Work, and Leisure; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. How Americans use time, with specific reference to work, housework, personal and free time activities. Time-use differences across methods, social groups and cultures. Subjective time. Implications for time management, societal quality of life, social policy, and theory.

0101	John Robinson	Seats (Total: 35)
	Tu 3:30pm - 6:10pm	ASY 3203

SOCY465 **The Sociology of War**

SOCY465 The Sociology of War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. The origin and development of armed forces as institutions, the social causes, operations and results of war as social conflict; the relations of peace and war and revolution in contemporary civilizations.

0101	Meyer Kestnbaum	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ASY 3203

SOCY498J **Selected Topics in Sociology; Sociology of the South**

SOCY498J Selected Topics in Sociology: Sociology of the South; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department.

0101	William Falk	Seats (Total: 30)
	MW 3:30pm - 4:45pm	ASY 3215

SOCY498P **Selected Topics in Sociology; Sociology of Cities**
Contact department for information to register for this course.

SOCY601 **Statistics For Sociological Research I**

SOCY601 Statistics For Sociological Research I; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY 201 or equivalent, and permission of instructor or graduate director. Credit will be granted for only one of the following: SOCY 601 and SURV 601. Introductory statistical concepts are covered including descriptive statistics, probability, sampling distributions, expected values, hypothesis testing, tests of significance, measures of association, and if time permits, introduction to regression analysis. Statistical programming software may be used. Also offered as SURV 601.

0101	Reeve Vanneman	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	ASY 3221

SOCY620 **Development of European and American Sociological Theory**

SOCY620 Development of European and American Sociological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY 203 or SOCY 403 or equivalent, or permission of instructor. Review of the history of sociological thought with major attention to the key figures (from Marx to C. Wright Mills). Restricted to SOCY majors only.

0101	Roberto Korzeniewicz	Seats (Total: 15)
	W 6:30pm - 9:20pm	ASY 1101

SOCY635 **Social Aspects of Fertility**

SOCY635 Social Aspects of Fertility; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Demographic and socioeconomic aspects of fertility behavior; causes and consequences of fertilty decline; relationship between women's status and fertility; determinants of adolescent and nonmarital fertility; differential fertility by race/ethnicity and migration status.

0101	Joan Kahn	Seats (Total: 20)
	W 3:30pm - 6:10pm	ASY 1117

SOCY645 **Sociology of the Self Concept**

SOCY645 Sociology of the Self Concept; (3 credits) Grade Method: REG/AUD.
Theory and empirical research dealing with the social determination and social consequences of the self-concept. Sociological, psychological, and psychoanalytic approaches to the self.

0101	Melissa Milkie	Seats (Total: 20)
	W 3:30pm - 6:10pm	ASY 1101

SOCY654 **Military Families**

SOCY654 Military Families; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Relationship between work organization and the family in the armed forces; theoretical approaches to the study of work and family; research on military family life style; demographic profiles of military families; organizational demands and their effects on service members and families; family policy in the military.

0101	Mady Segal M 3:30pm - 6:10pm	Seats (Total: 20) ASY 1117

SOCY664 **Armed Forces and Society**

SOCY664 Armed Forces and Society; (3 credits) Grade Method: REG/AUD. Analysis of the relationship between military organization and modern industrial society. Growth and decline of the mass army, the transition from conscription to all-volunteer forces, the social legitimacy of military organization, the military as a form of industrial organization, and problems of civil-military relations in the modern world.

0101	David Segal Tu 3:30pm - 6:10pm	Seats (Total: 20) ASY 1101

SOCY699 **Special Social Problems**

SOCY699 Special Social Problems; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY699A **Special Social Problems; Sociology Teaching Assistants Seminar**

SOCY699A Special Social Problems: Sociology Teaching Assistants Seminar; (1 credit) Grade Method: REG/AUD.

0101	Linda Moghadam M 12:00pm - 12:50pm	Seats (Total: 20) ASY 1117

SOCY699D **Special Social Problems; Science/Medicine Studies**

SOCY699D Special Social Problems: Science/Medicine Studies; (3 credits) Grade Method: REG/AUD.

0101	Laura Mamo Tu 3:30pm - 6:10pm	Seats (Total: 10) ASY 4111

SOCY699E **Special Social Problems; Migration, Immigration, and Ethnicity**

SOCY699E Special Social Problems: Migration, Immigration, and Ethnicity; (3 credits) Grade Method: REG/AUD.

0101	Julie Park	Seats (Total: 20)
	M 3:30pm - 6:10pm	ASY 4111

SOCY699F **Special Social Problems; Apprenticeship in Social Research**

SOCY699F Special Social Problems: Apprenticeship in Social Research; (1 credit) Grade Method: REG/AUD.

0101	William Falk	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699K **Special Social Problems; War, State and Society**

SOCY699K Special Social Problems: War, State and Society; (3 credits) Grade Method: REG/AUD.

0101	Meyer Kestnbaum	Seats (Total: 20)
	Th 3:30pm - 6:10pm	ASY 4111

SOCY699L **Special Social Problems; Diversity in the Military**

SOCY699L Special Social Problems: Diversity in the Military; (3 credits) Grade Method: REG/AUD.

0101	Mady Segal	Seats (Total: 20)
	Tu 10:00am - 12:40pm	ASY 1101

SOCY699M **Special Social Problems; Dissertation Writing Workshop**

SOCY699M Special Social Problems: Dissertation Writing Workshop; (2 credits) Grade Method: REG/AUD.

0101	Joan Kahn	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699N **Special Social Problems; Power, Status, and Leadership in Groups**

SOCY699N Special Social Problems: Power, Status, and Leadership in Groups; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Lucas	Seats (Total: 20)
	M 9:00am - 11:40am	ASY 1101

SOCY699P **Special Social Problems; Pro-Seminar in Sociology**

SOCY699P Special Social Problems: Pro-Seminar in Sociology; (1 credit) Grade Method: REG/AUD.

0101	Jeffrey Lucas	Seats (Total: 20)
	M 1:00pm - 1:50pm	ASY 1117

SOCY699Q **Special Social Problems; Apprenticeship in Teaching Sociology**

SOCY699Q Special Social Problems: Apprenticeship in Teaching Sociology; (1 credit) Grade Method: REG/AUD.

0101	Mady Segal	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699R **Special Social Problems; Workshop in Current Sociological Issues**

SOCY699R Special Social Problems: Workshop in Current Sociological Issues; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699V **Special Social Problems; Writing Workshop for Second Year Paper**

SOCY699V Special Social Problems: Writing Workshop for Second Year Paper; (1 credit) Grade Method: REG/AUD.

0101	William Falk	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699W **Special Social Problems; Work in Progress**

SOCY699W Special Social Problems: Work in Progress; (1 credit) Grade Method: REG/AUD.

0101	Kris Marsh	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699Z **Special Social Problems; Workshop in PhD Specialty Exam Preparation**

SOCY699Z Special Social Problems: Workshop in PhD Specialty Exam Preparation; (1 credit) Grade Method: REG/AUD.

0101	Julie Park	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY709B **Advanced Special Topics in Data Analysis; Network Analysis**

SOCY709B Advanced Special Topics in Data Analysis: Network Analysis; (3 credits) Grade Method: REG/AUD.

0101	Alan Neustadtl	Seats (Total: 20)
	Th 3:30pm - 6:10pm	ASY 1117

SOCY729C **Advanced Special Topics in Substantive Theory; Intersectionality**

SOCY729C Advanced Special Topics in Substantive Theory: Intersectionality; (3 credits) Grade Method: REG/AUD.

0101	Patricia Collins	Seats (Total: 10)
	Tu 3:30pm - 6:10pm	ASY 1117

SOCY729D **Advanced Special Topics in Substantive Theory; Spaces and Places**

SOCY729D Advanced Special Topics in Substantive Theory: Spaces and Places; (3 credits) Grade Method: REG/AUD.

0101	George Ritzer	Seats (Total: 20)
	M 6:30pm - 9:10pm	ASY 2115

SOCY799 **Master's Thesis Research**

SOCY799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY819 **Research Seminar in Social Psychology**

SOCY819 Research Seminar in Social Psychology; (1 credit) Grade Method: REG/AUD.

0101	Melissa Milkie	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY829 **Research Seminar in Sociological Theory**

SOCY829 Research Seminar in Sociological Theory; (1 credit) Grade Method: REG/AUD.

0101	George Ritzer	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY849 **Research Seminar in Demography**

SOCY849 Research Seminar in Demography; (1 credit) Grade Method: REG/AUD.

0101	Sonalde Desai	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY858 **Research Seminar in Gender, Work and Family**

SOCY858 Research Seminar in Gender, Work and Family; (1 credit) Grade Method: REG/AUD.

0101	Melissa Milkie	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY869 **Research Seminar in Military Sociology**

SOCY869 Research Seminar in Military Sociology; (1 credit) Grade Method: REG/AUD.

0101	Mady Segal	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY889 **Research Seminar in Social Stratification**

SOCY889 Research Seminar in Social Stratification; (1 credit) Grade Method: REG/AUD.

0101	Reeve Vanneman	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY898 **Pre-Candidacy Research**

SOCY898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

SOCY899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN Spanish Fall 2009

SPAN103 **Intensive Elementary Spanish**

SPAN103 Intensive Elementary Spanish; (4 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed SPAN101, SPAN102, more than two years of high school Spanish, or to fluent/native speakers of Spanish. Credit will be granted for only one of the following: SPAN102 or SPAN103.* Covers speaking, reading, writing, listening, and culture of Spanish-speaking world. Recommended for students who have completed Level 2 with a grade of A or B, or Level 3 with a grade of C or below in high school, or the first semester of college Spanish at another institution. Limited exceptions may be granted for students with weak preparations or several years lapse since study in high school. Students must present high school and/or college transcripts on the first day of class to assure proper placement. Exceptions must be approved in advance by the departmental advisor, in JMZ 2202.

0101	Elisabeth Arevalo-Guerrero MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 0208 JMZ 0122
0201	Elisabeth Arevalo-Guerrero MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 0208 JMZ 1215
0301	Elisabeth Arevalo-Guerrero MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0208 JMZ 0103
0401	Elisabeth Arevalo-Guerrero MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2123
0501	Goretti Prieto Botana MTuWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 2123
0601	Goretti Prieto Botana MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 1215 JMZ 2123

SPAN203 **Intensive Intermediate Spanish**

SPAN203 Intensive Intermediate Spanish; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN103 or equivalent. Not open to students who have completed four years of high school Spanish or to fluent/native speakers of Spanish. Credit will be granted for only one of the following: SPAN201 or SPAN203. Formerly SPAN201.
Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Francisco Caballero De La Cuadra MWF 9:00am - 9:50am Th 9:00am - 9:50am	Seats (Total: 25) JMZ 2123 JMZ 0122
0201	Leonardo Solano Moraga MWThF 10:00am - 10:50am	Seats (Total: 25) JMZ 1215
0301	Jason Bartles MWF 10:00am - 10:50am Th 10:00am - 10:50am	Seats (Total: 25) JMZ 3120 JMZ 2117

0401	Maria Becerril Longares MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 2120 JMZ 1117
0501	Anthony Barilla MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 2123 JMZ 0122
0601	Andrea Mickus MWThF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0122
0701	Ashleigh Petts MWThF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0122
0801	Maggy Rodriguez MWThF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0122
0901	Maggy Rodriguez MWThF 3:00pm - 3:50pm	Seats (Total: 25) JMZ 0122
1001	Oscar Santos Sopena MWThF 1:00pm - 1:50pm *Restricted to First Time Freshman and First Time Transfers.*	Seats (Total: 25) JMZ 0118

SPAN204 **Spanish Grammar Review**

SPAN204 Spanish Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN203 (formerly SPAN201); or high school level 4 or 5 with a grade of A or B; or permission of department. Not open to students who have completed SPAN202 or to native/fluent speakers of Spanish. Credit will be granted for only one of the following: SPAN202 or SPAN204. Formerly SPAN202. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Kathryn Taylor MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0125
0201	Rebeca Moreno-Orama MWF 11:00am - 11:50am	Seats (Total: 25) SYM 0209

0301	Rebeca Moreno-Orama MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0208
0401	Rebeca Moreno-Orama MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0208

SPAN206 **Review of Oral and Written Spanish for Native Speakers Educated in the United States**

SPAN206 Review of Oral and Written Spanish for Native Speakers Educated in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Native or near native knowledge of oral Spanish and no formal education in Spanish. Review of oral and written Spanish for students who have native or near-native ability in Spanish, but have never studied it in a formal setting. Offered fall only.

0101	Dolores Lima MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0118
0201	Dolores Lima MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0125

SPAN207 **Reading and Writing in Spanish**

SPAN207 Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN203 with a grade of B+ or higher; or SPAN204 or concurrent SPAN204; or equivalent knowledge; or permission of department. Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Karen Krausen MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2207
0201	Ana Trapp MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2207
0301	Fabian Faccio MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1120

0401	Alejandra Echazu MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2207
0501	Gustavo Chaves MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0125

SPAN234 **Issues in Latin American Studies I**

SPAN234 Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as PORT234 and LASC234. Credit will be granted for only one of the following: SPAN234 or PORT234 or LASC234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Sandra Cypess TuTh 11:00am - 12:15pm	Seats (Total: 30) PLS 1113

SPAN234H **Issues in Latin American Studies I**

SPAN234H Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as PORT234 and LASC234. Credit will be granted for only one of the following: SPAN234 or PORT234 or LASC234. Open to Honor students only.

0101	Sandra Cypess TuTh 11:00am - 12:15pm	Seats (Total: 5) PLS 1113

SPAN301 **Advanced Grammar and Composition I**

SPAN301 Advanced Grammar and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: SPAN207. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0101	Ana Acedo Garcia MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 1117

0201	Laura Quijano MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1117
0301	Laura Quijano MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 0122
0401	Sofia Calzada-Orihuela MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1215
0501	Sofia Calzada-Orihuela MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 3120
0601	Ana Acedo Garcia MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1103

SPAN302 **Advanced Grammar and Composition II**

SPAN302 Advanced Grammar and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301. Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

0101	Dolores Lima MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1103
0201	Ana Acedo Garcia MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1120
0301	Ana Acedo Garcia MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 1215

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

SPAN303 Approaches to Cultural Materials in the Hispanic World; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN207 or permission of instructor. Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. In Spanish.

0101	Mehl Penrose MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 3205
0201	Mehl Penrose MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 3205

SPAN315 **Commercial Spanish I**

SPAN315 Commercial Spanish I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN301 and SPAN303; or permission of department.* Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of Spanish commercial topics. May include exposure to Spanish commercial topics. May include exposure to Spanish business environments. Offered fall only.

0101	Carmen Ruzza TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 1124
0201	Anthony Barilla TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 0103
0301	Carmen Ruzza TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 1124
0401	Carmen Ruzza TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1215
0501	Anthony Barilla TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1122
0601	Anthony Barilla TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 0103

SPAN316 **Practicum in Translation I**

SPAN316 *(PermReq)* **Practicum in Translation I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of department. Translation of non-literary, non-technical texts into Spanish and/or English. Offered fall only.

0101	Cristina Burneo TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 2207
0201	Norman Gonzalez TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 2207
0301	Rocio Gordon TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 2207
0401	Rocio Gordon TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2207
0501	Norman Gonzalez TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1120

SPAN331 **Spanish Culture, Civilization and Literature I: Medieval Times**

SPAN331 Spanish Culture, Civilization and Literature I: Medieval Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN325 or SPAN321. Credit will be granted for only one of the following: SPAN321, SPAN325, or SPAN331. The exploration of cultures of the Iberian Peninsula from its origins until the 15th century as well as the study of historical and political events that gave rise to the Spanish state. In Spanish.

0101	Hernan De Pinillos MW 3:00pm - 4:15pm	Seats (Total: 25) JMZ 2117

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

SPAN333 Spanish Culture, Civilization and Literature III: Modern Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN322 or SPAN326. Credit will be granted for only one of the following: SPAN322, SPAN326, or SPAN333. An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. In Spanish.

0101	Carolina Gomez-Montoya MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 0103

SPAN357 **Literary Translation II**

SPAN357 Literary Translation II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN317 or permission of department.* A continuation of SPAN356. Translation of literary texts into Spanish and/or English: dialogue and other forms.

0101	Anthony Barilla MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1117

SPAN361 **Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**

SPAN361 Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN323 or SPAN346. Credit will be granted for only one of the following: SPAN361, SPAN323, or SPAN346. Overview of cultural history of Latin America from pre-Columbian civilizations to the Colonial period, exploring the foundations of the Spanish American cultural and literary tradition to approximately 1770. In Spanish.

0101	Alejandra Echazu MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0118
0201	Cristina Burneo Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 25) JMZ 0122 JMZ 0120
0301	Eyda Merediz TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 3120

SPAN363 **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

SPAN363 Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303, or permission of instructor. Not open to students who have completed SPAN324 or SPAN347. Credit will be granted for only one of the following: SPAN324, SPAN347, SPAN363. An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. In Spanish.

0101	Laura Demaria MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 3203
0201	Sandra Cypess TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 1122

SPAN386 **Experiential Learning**

SPAN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

SPAN399 **Independent Study in Spanish**

SPAN399 *(PermReq)* **Independent Study in Spanish; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Previous permission by the instructor is required for enrollment in this course.

Contact department for information to register for this course.

SPAN401 **Advanced Composition I**

SPAN401 Advanced Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN302 or permission of department. Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

0101	Manel Lacorte MW 5:00pm - 6:20pm	Seats (Total: 20) JMZ 3205

SPAN408A **Great Themes of the Hispanic Literatures; Women in the Spanish Middle Ages**

SPAN408A Great Themes of the Hispanic Literatures: Women in the Spanish Middle Ages; (3 credits) Grade Method: REG/P-F/AUD.

0101	Carmen Benito-Vessels	Seats (Total: 25)
	MW 3:00pm - 4:15pm	JMZ 2123

SPAN408B **Great Themes of the Hispanic Literatures; City Narratives: Mapping Contemporary Cities in the Southern Cone**

SPAN408B Great Themes of the Hispanic Literatures: City Narratives: Mapping Contemporary Cities in the Southern Cone; (3 credits) Grade Method: REG/P-F/AUD.

0101	Laura Demaria	Seats (Total: 25)
	MWF 11:00am - 11:50am	JMZ 1117

SPAN408C **Great Themes of the Hispanic Literatures; Latin American Poetry: Modernism and Avant-garde**

SPAN408C Great Themes of the Hispanic Literatures: Latin American Poetry: Modernism and Avant-garde; (3 credits) Grade Method: REG/P-F/AUD.

0101	Maria Campero	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 3203

SPAN408D **Great Themes of the Hispanic Literatures; Spanish Literary Masterpieces I**

SPAN408D Great Themes of the Hispanic Literatures: Spanish Literary Masterpieces I; (3 credits) Grade Method: REG/P-F/AUD.

0101	Carmen Benito-Vessels	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	JMZ 2120

SPAN425 **Introduction to Hispanic Linguistics I: Basic Concepts**

SPAN425 Introduction to Hispanic Linguistics I: Basic Concepts; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of department. This course begins with an introduction to general concepts in linguistics, from language function and the brain to communication, culture, and thought, and their relation to other disciplines in the social sciences. The main purpose of this course is to provide an overview of Hispanic linguistics through multiple perspectives, while exploring the areas of Spanish morphology, syntax, and semantics. This course will also focus on the structural tendencies of Spanish through a variety of practical activities.

0101	Ana Acedo Garcia	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	JMZ 3120

SPAN479 **Honors Thesis**
Contact department for information to register for this course.

SPAN495 **Honors Reading**

SPAN495 Honors Reading; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: admittance to Spanish and Portuguese Honors or permission of department.* Supervised reading.

Contact department for information to register for this course.

SPAN699 **Independent Study in Spanish**

SPAN699 Independent Study in Spanish; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN788R **Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures; Juan Ramon Jimenez Series**

SPAN788R Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures: Juan Ramon Jimenez Series; (1 credit) Grade Method: REG/AUD.

0101	Ricardo Forster	Seats (Total: 10)
	Contact instructor or department for details.	

SPAN798A **Open Seminar; Spanish Baroque: Theory and Practice**

SPAN798A Open Seminar: Spanish Baroque: Theory and Practice; (3 credits) Grade Method: REG/AUD.

0101	Hernan De Pinillos	Seats (Total: 10)
	M 5:00pm - 7:30pm	JMZ 1117

SPAN798B **Open Seminar; Violence, Trauma, Memory in Central American Narrative**

SPAN798B Open Seminar: Violence, Trauma, Memory in Central American Narrative; (3 credits) Grade Method: REG/AUD.

0101	Ana Rodriguez	Seats (Total: 10)
	Tu 6:00pm - 8:30pm	JMZ 1117

SPAN798C **Open Seminar; The Andes: Anthropology and the Analysis of Cultural Texts About and By Indigenous People**

SPAN798C Open Seminar: The Andes: Anthropology and the Analysis of Cultural Texts About and By Indigenous People; (3 credits) Grade Method: REG/AUD.

0101	Regina Harrison	Seats (Total: 10)
	W 5:45pm - 8:15pm	JMZ 0205

SPAN798D **Open Seminar; Literary and Critical Theory**

SPAN798D Open Seminar: Literary and Critical Theory; (3 credits) Grade Method: REG/AUD.

0101	Juan Carlos Quintero-Herencia	Seats (Total: 10)
	Th 4:00pm - 6:30pm	JMZ 1117

SPAN798E **Open Seminar; The Devil and the New World: Religion, Science, and Colonialism in the Early Modern Atlantic World**

SPAN798E Open Seminar: The Devil and the New World: Religion, Science, and Colonialism in the Early Modern Atlantic World; (3 credits) Grade Method: REG/AUD.

0101	Eyda Merediz Th 7:00pm - 9:30pm	Seats (Total: 10) JMZ 3205

SPAN798L **Open Seminar; A Closer Look at Contemporary Spanish-Speaking Cultures**

SPAN798L Open Seminar: A Closer Look at Contemporary Spanish-Speaking Cultures; (3 credits) Grade Method: REG/AUD.

IHP1	Roberta Lavine Th 5:00pm - 7:30pm *Outreach offering for EDCI PGCPS/MCPS Foreign Language.*	Seats (Total: 13) Location: TBA

SPAN799 **Master's Thesis Research**

SPAN799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN898 **Pre-Candidacy Research**

SPAN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN899 **Doctoral Dissertation Research**

SPAN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPHL Public Health Fall 2009

SPHL410 **Public Health Program Planning and Evaluation**

SPHL410 Public Health Program Planning and Evaluation; (3 credits) Grade Method: REG/P-F/AUD.
Students will become familiar with the dynamics of public health program planning, and the basic process of identifying unmet needs. They will be able to identify different types of program evaluation, including needs assessment, formative research, process evaluation, impact assessment, and cost analysis.

SG91	Jennifer Todd	Seats (Total: 30)
	MW 12:30pm - 1:45pm	SGI 108
	This course will meet at the Universities at Shady Grove.	

SPHL498A **Special Topics in Public Health; Introduction to Global Health**

SPHL498A Special Topics in Public Health: Introduction to Global Health; (3 credits) Grade Method: REG/P-F/AUD.
Junior Standing. Click here for more course information.

0101	Muhiuddin Haider	Seats (Total: 20)
	Tu 5:00pm - 7:30pm	SPH 1301
SG91	Muhiuddin Haider	Seats (Total: 30)
	M 2:30pm - 5:20pm	SGI 108
	This course will meet at the Universities at Shady Grove.	

SPHL498E **Special Topics in Public Health; History of Public Health**

SPHL498E Special Topics in Public Health: History of Public Health; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

SG91	John Parascandola	Seats (Total: 30)
	W 2:00pm - 4:50pm	SGI 108
	This course will meet at the Universities at Shady Grove.	

SPHL698A **Special Topics in Public Health; Introduction to Global Health**

SPHL698A Special Topics in Public Health: Introduction to Global Health; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Muhiuddin Haider Tu 5:00pm - 7:30pm	Seats (Total: 20) SPH 1301

STAT Statistics and Probability Fall 2009

STAT100 **Elementary Statistics and Probability**

STAT100 Elementary Statistics and Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of Math Department based on satisfactory score on MATHEMATICS PLACEMENT EXAM; or MATH110, MATH112, MATH113, or MATH115. Not open to students who have completed MATH111 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101	Earnest Harrison MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0304
0102	Adam Ross MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0307
0103	Natalia Tchetcherina MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0409
0104	Ran Ji MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0106
0105	Son Ho MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0303
0106	Joseph Galante MWF 12:00pm - 12:50pm	Seats (Total: 30) PHY 4220
0201	Earnest Harrison MWF 2:00pm - 2:50pm	Seats (Total: 27) ARM 0117

0202	Adam Ross MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0306	
0203	Natalia Tchetcherina MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0409	
0204	Ran Ji MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0101	
0205	Son Ho MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0303	
0206	Joseph Galante MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH B0423	

STAT400 **Applied Probability and Statistics I**

STAT400 Applied Probability and Statistics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH 131 with a grade of C or better, or MATH 141 or equivalent. Not acceptable toward graduate degrees in STAT, AMSC, or MATH. Credit will be granted for only one of the following: BMGT231, ENEE324 or STAT400. These courses are not interchangeable. Consult your program requirements or advisor for what is acceptable toward your program of study. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0111	Sandra Cerrai TuTh 12:30pm - 1:45pm M 8:00am - 9:15am	Seats (Total: 27) ARM 0131 MTH 0105	Discussion
0112	Sandra Cerrai TuTh 12:30pm - 1:45pm M 8:00am - 9:15am	Seats (Total: 27) ARM 0131 MTH 0411	Discussion
0121	Sandra Cerrai TuTh 12:30pm - 1:45pm M 9:30am - 10:45am	Seats (Total: 27) ARM 0131 MTH 0105	Discussion

0122	Sandra Cerrai TuTh 12:30pm - 1:45pm M 9:30am - 10:45am	Seats (Total: 27) ARM 0131 MTH 0411	Discussion
0131	Sandra Cerrai TuTh 12:30pm - 1:45pm M 11:00am - 12:15pm	Seats (Total: 27) ARM 0131 MTH 0104	Discussion
0132	Sandra Cerrai TuTh 12:30pm - 1:45pm M 11:00am - 12:15pm	Seats (Total: 27) ARM 0131 ARM 0101	Discussion
0211	Leonid Koralov MWF 10:00am - 10:50am Tu 11:00am - 12:15pm	Seats (Total: 27) CHM 0115 MTH 0401	Discussion
0212	Leonid Koralov MWF 10:00am - 10:50am Tu 11:00am - 12:15pm	Seats (Total: 27) CHM 0115 MTH 1313	Discussion
0221	Leonid Koralov MWF 10:00am - 10:50am Tu 12:30pm - 1:45pm	Seats (Total: 27) CHM 0115 MTH B0425	Discussion
0231	Leonid Koralov MWF 10:00am - 10:50am Tu 2:00pm - 3:15pm	Seats (Total: 27) CHM 0115 MTH 0105	Discussion

STAT401 **Applied Probability and Statistics II**

STAT401 Applied Probability and Statistics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 (Not acceptable toward graduate degrees in STAT, AMSC, or MATH). Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0101	Harland Glaz TuTh 12:30pm - 1:45pm	Seats (Total: 25) MTH 1313	

0201	Abram Kagan TuTh 2:00pm - 3:15pm	Seats (Total: 25) MTH 0104

STAT410 **Introduction to Probability Theory**

STAT410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241. Also offered as SURV410. Credit will be granted for only one of the following: STAT410 or SURV410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Mark Freidlin TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0105
0201	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 25) MTH 0105

STAT430 **Introduction to Statistical Computing with SAS**

STAT430 Introduction to Statistical Computing with SAS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 or permission of instructor. Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	Benjamin Kedem MWF 1:00pm - 1:50pm	Seats (Total: 40) EGR 0135

STAT440 **Sampling Theory**

STAT440 Sampling Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT401 or STAT420. Also offered as SURV440. Credit will be granted for only one of the following: STAT440 or SURV440. Simple random sampling. Sampling for proportions. Estimation of sample size. Sampling with varying probabilities. Sampling: stratified, systematic, cluster, double, sequential, incomplete.

0101	Benjamin Kedem MW 5:00pm - 6:15pm	Seats (Total: 30) MTH 0411

STAT464 **Introduction to Biostatistics**

STAT464 Introduction to Biostatistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: One semester of calculus. Not acceptable for credit towards degrees in mathematics or statistics. Junior standing.* Probabilistic models. Sampling. Some applications of probability in genetics. Experimental designs. Estimation of effects of treatments. Comparative experiments. Fisher-Irwin test. Wilcoxon tests for paired comparisons.

0101	Casey Cremins TuTh 3:30pm - 4:45pm	Seats (Total: 38) PHY 1219

STAT498A **Selected Topics in Statistics**

STAT498A *(PermReq)* **Selected Topics in Statistics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT600 **Probability Theory I**

STAT600 Probability Theory I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 410.* Probability space, classes of events, construction of probability measures. Random variables, convergence theorems, images of measures. Independence. Expectation and moments, Lebesque integration, spaces, Radon-Nikodym and LP theorem, singular and absolutely continuous measures. Conditional expectations, existence of regular distributions, applications. Probabilities on product spaces, Fubini theorem, Kolmogorov extension theorem, Tulcea product theorem.

0101	Leonid Koralov MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH B0421

STAT689 **Research Interactions in Statistics**

STAT689 *(PermReq)* **Research Interactions in Statistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT698A **Selected Topics in Probability**

STAT698A Selected Topics in Probability; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT700 **Mathematical Statistics I**

STAT700 Mathematical Statistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 410 or equivalent.* Sampling distributions including noncentral chi-squared, t, F. Exponential families, completeness. Sufficiency, factorization, likelihood ratio. Decision theory, Bayesian methods, minimax principle. Point estimation. Lehmann-Scheffe and Cramer-Rao theorems. Set estimation. Offered fall only.

0101	Eric Slud	Seats (Total: 35)
	MW 5:00pm - 6:15pm	MTH 0304

STAT705 **Computational Statistics**

STAT705 Computational Statistics; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 420 or STAT 700. Recommended: Some programming experience (any language). Credit will be granted for only one of the following: STAT 705 or STAT 798C. Formerly STAT798C.* Modern methods of computational statistics and their application to both practical problems and research. S-Plus and SAS programming with emphasis on S-Plus. S-Plus objects and functions, and SAS procedures. Topics include data management and graphics, Monte Carlo and simulation, bootstrapping, numerical optimization in statistics, linear and generalized linear models, nonparametric regression, time series analysis.

0101	Eric Slud	Seats (Total: 27)
	MWF 11:00am - 11:50am	MTH 1308

STAT740 **Linear Statistical Models I**

STAT740 Linear Statistical Models I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 420 or STAT 700.* Least squares, general linear models, estimability and Gauss-Markov theorem. Simple and multiple linear regression, analysis of residuals and diagnostics, polynomial models, variable selection. Qualitative predictors, one and two way analysis of variance, multiple comparisons, analysis of covariance. Nonlinear least squares. High-level statistical computer software will be used for data analysis throughout the course.

0101	Paul Smith	Seats (Total: 25)
	MWF 10:00am - 10:50am	MTH 0302

STAT750 **Multivariate Analysis**

STAT750 Multivariate Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 420 or STAT 700.* Multivariate normal, Wishart's and Hotelling's distributions. Tests of hypotheses, estimation. Generalized distance, discriminant analysis. Regression and correlation. Multivariate analysis of variance; distribution of test criteria. Principal components, canonical correlations and factor analysis.

0101	Abram Kagan	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MTH 2300

STAT798A **Selected Topics in Statistics**

STAT798A Selected Topics in Statistics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT799 **Master's Thesis Research**

STAT799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT898 **Pre-Candidacy Research**

STAT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

STAT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV Survey Methodology Fall 2009

SURV410 **Introduction to Probability Theory**

SURV410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240; and MATH241 or permission of department. Also offered as STAT410. Credit will be granted for only one of the following: SURV410 or STAT410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems. Also offered as STAT 410.

0101	Mark Freidlin TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0105
0201	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 25) MTH 0105

SURV440 **Sampling Theory**

SURV440 Sampling Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT401 or STAT420. Not open to students who have completed STAT440. Simple random sampling, sampling for proportions, estimation of sample size, sampling with varying probabilities of selection, stratification, systematic selection, cluster sampling, double sampling, and sequential sampling.

0101	Benjamin Kedem MW 5:00pm - 6:15pm *Also offered as STAT440.*	Seats (Total: 30) MTH 0411
0201	James Lepkowski **Meets September 7, 2009 - December 11, 2009** MW 1:00pm - 2:30pm *Class will meet at the Bureau of Labor Statistics.*	Seats (Total: 20) Location: TBA

SURV615 **Statistical Methods I**

SURV615 Statistical Methods I; (3 credits) Grade Method: REG/AUD.
Prerequisite: two course sequence in probability and statistics or equivalent. First course in a two term sequence in applied statistical methods covering topics such as regression, analysis of variance, categorical data, and survival analysis. It runs concurrently with the University of Michigan course.

0101	Stephen Miller **Meets September 9, 2009 - December 16, 2009** W 3:30pm - 6:10pm	Seats (Total: 20) LEF 1208

SURV623 **Data Collection Methods in Survey Research**

SURV623 Data Collection Methods in Survey Research; (3 credits) Grade Method: REG/AUD.
Review of alternative data collection methods used in surveys, concentrating on the impact these techniques have on the quality of survey data, including measurement error properties, levels of nonresponse and coverage error. Reviews of the literature on major mode comparisons (face-to-face interviewing, telephone survey and self-administered questionnaires), and alternative collection methods (diaries, administrative records, direct observation, etc.). The statistical and social science literatures on interviewer effects and nonresponse, and current advances in computer-assisted telephone interviewing (CATI), computer-assisted personal interviewing (CAPI), and other methods such as touchtone data entry (TDE) and voice recognition (VRE).

0101	Frederick Conrad, Mick Couper **Meets September 14, 2009 - December 11, 2009** M 3:00pm - 5:40pm	Seats (Total: 25) LEF 1208
0201	Douglas Currivan **Meets August 31, 2009 - December 10, 2009** Tu 3:30pm - 6:15pm	Seats (Total: 10) LEF 1218

SURV630 **Questionnaire Design**

SURV630 Questionnaire Design; (3 credits) Grade Method: REG/AUD.
The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

0101	David Cantor, Rachel Caspar F 1:00pm - 4:00pm	Seats (Total: 20) LEF 2208

SURV632 **Social and Cognitive Foundations of Survey Measurement**

SURV632 Social and Cognitive Foundations of Survey Measurement; (3 credits) Grade Method: REG/AUD.
Major sources of survey error-such as reporting errors and nonresponse bias-from the perspective of social and cognitive psychology and related disciplines. Topics: psychology of memory and its bearing on classical survey issues (e.g., underreporting and telescoping); models of language use and their implications for the interpretation and misinterpretation of survey questions; and studies of attitudes, attitude change, and their possible application to increasing response rates and improving the measurement of opinions. Theories and findings from the social and behavioral sciences will be explored.

0101	Frederick Conrad **Meets September 7, 2009 - December 11, 2009** Tu 3:00pm - 5:40pm	Seats (Total: 20) LEF 1208

SURV641 **Survey Practicum II**

SURV641 Survey Practicum II; (2 credits) Grade Method: REG.
Prerequisite: SURV620. SURV620 and SURV641 must be taken in consecutive semesters. For SURV majors only. Credit will be granted for only one of the following: SURV621 or SURV641. Formerly SURV621. Second part of applied workshop in sample survey design. Course focus on post data collection process of data processing, editing and anlysis.

0101	Katharine Abraham Tu 3:30pm - 5:30pm	Seats (Total: 20) LEF 2208

SURV650 **Economic Measurement**

SURV650 Economic Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: One coure in intermediate microeconomics. Credit will be granted for only one of the following: SURV650 or SURV699L. Formerly SURV699L. An introduction to the field of economic measurement. Sound economic data are of critical importance to policymakers, the business community, and others. Emphasis is placed on the economic concepts that underlie key economic statistics and the translation of those concepts into operational measures. Topics addressed include business survey sampling; the creation of business survey sampling frames; the collection of data from businesses; employment and earnings statistics; price statistics; output and productivity measures; the national accounts; and the statistical uses of administrative data. Lectures and course readings assume prior exposure to the tools of economic analysis. The class will meet at the Bureau of Labor and Statistics in Washington, D.C.

0101	Katharine Abraham W 9:30am - 12:10pm	Seats (Total: 30) Location: TBA

SURV672 **Introduction to the Federal Statistical System and the Survey Research Profession**

SURV672 Introduction to the Federal Statistical System and the Survey Research Profession; (1 credit) Grade Method: S-F.
Restricted to JPSM degree seeking student. Formerly:SURV670 and SURV671. Credit will be granted for only one of the following: SURV670 and SURV671; or SURV672. The U.S. statistical system and its goals are reviewed. The federal statistical agencies are described, and their primary missions and data collections are examined. The statistical systems of other countries are compared with the U.S. system. Organizational and budgetary aspects are presented. Students will learn about organizations and groups outside of the Federal Statistical System that affect the actions of the System. These include other governmental units, professional associations, and advisory groups created by the agencies themselves. Students will review current laws regarding privacy and confidentiality affecting government agency work and consider a variety of ethical issues confronting government statisticians.

0101	Frauke Kreuter	Seats (Total: 20)
	Tu 6:30pm - 7:30pm	LEF 2208

SURV699 **Special Topics in Survey Methodology; Reading in Survey Methodology**

SURV699 *(PermReq)* **Special Topics in Survey Methodology: Reading in Survey Methodology; (1-3 credits)** Grade Method: REG/AUD.

0101	Roger Tourangeau	Seats (Total: 10)
	Contact instructor or department for details.	
0201	Robert Croninger	Seats (Total: 10)
	Contact instructor or department for details.	

SURV699Q **Special Topics in Survey Methodology; Prediction Approach to Sampling Theory**

SURV699Q Special Topics in Survey Methodology: Prediction Approach to Sampling Theory; (3 credits) Grade Method: REG/AUD.
Principles of model-based sampling,including choice of working model, estimation procedures, sample designs, and protection against the model's being wrong. Other topics include: role of balanced samples in bias protection and optimality; stratification and the use of models to guide sample allocation; estimation using samples from clustered populations; variance estimation in unclustered and clustered populations; incorporating quantitative and qualitative auxiliary data in estimating totals. Click here for more course information.

0101	Richard Valliant	Seats (Total: 15)
	Meets September 3, 2009 - December 10, 2009	
	Th 3:30pm - 6:10pm	LEF 1208

SURV701 **Analysis of Complex Sample Data**

SURV701 Analysis of Complex Sample Data; (3 credits) Grade Method: REG/AUD.
Prerequisite: SURV 625. Analysis of data from complex sample designs covers: the development and handling of selection and other compensatory weights; methods for handling missing data; the effect of stratification and clustering on estimation and inference; alternative variance estimation procedures; methods for incorporating weights, stratification and clustering, and imputed values in estimation and inference procedures for complex sample survey data; and generalized design effects and variance functions. Computer software that takes account of complex sample design in estimation. It runs concurrently with the University of Michigan course.

0101	Steven Heeringa	Seats (Total: 20)
	Meets September 7, 2009 - December 11, 2009	
	Th 12:30pm - 3:00pm	LEF 1208

SURV720 **Total Survey Error I**

SURV720 Total Survey Error I; (2 credits) Grade Method: REG/AUD.
Prerequisite: SURV625 Restricted to degree seeking in JPSM or permission of instructor. Credit will be granted for only one of the following: SURV720 and SURV721; or SURV723. Formerly SURV723. Total error structure of sample survey data, reviewing current research findings on the magnitudes of different error sources, design features that affect their magnitudes, and interrelationships among the errors. Coverage, nonresponse, sampling, measurement, and postsurvey processing errors. For each error source reviewed, social science theories about its causes and statistical models estimating the error source are described. Empirical studies from the survey methodological literature are reviewed to illustrate the relative magnitudes of error in different designs. Emphasis on aspects of the survey design necessary to estimate different error sources. Relationships to show how attempts to control one error source may increase another source. Attempts to model total survey error will be presented. It runs concurrently with the University of Michigan course.

0101	Roger Tourangeau **Meets September 7, 2009 - December 11, 2009** Tu 6:00pm - 8:40pm	Seats (Total: 20) LEF 1208

SURV722 **Randomized/Nonrandomized Design**

SURV722 Randomized/Nonrandomized Design; (3 credits) Grade Method: REG/AUD.
Research designs from which causal inferences are sought. Classical experimental design will be contrasted with quasi-experiments, evaluation studies, and other observational study designs. Emphasis placed on how design features impact the nature of statistical estimation and inference from the designs. Issues of blocking, balancing, repeated measures, control strategies, etc. Click Here More Information

0101	Frauke Kreuter **Meets September 9, 2009 - December 16, 2009** W 3:30pm - 5:40pm	Seats (Total: 20) LEF 2208

SURV829 **Doctoral Research Seminar in Survey Methodology**

SURV829 Doctoral Research Seminar in Survey Methodology; (3-6 credits) Grade Method: REG.

0101	Roger Tourangeau **Meets September 7, 2009 - December 7, 2009** W 10:00am - 12:30pm	Seats (Total: 5) LEF 1218

SURV898 **Pre-Candidacy Research**

SURV898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV899 **Doctoral Dissertation Research**

SURV899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET Theatre Fall 2009

THET110 **Introduction to the Theatre**

THET110 Introduction to the Theatre; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101	Korey Rothman MW 2:00pm - 3:15pm	Seats (Total: 180) HJP 0226	
0201	Korey Rothman MW 3:30pm - 4:45pm	Seats (Total: 180) HJP 0226	

THET114 **Fundamentals of Theatre Craft**

THET114 Fundamentals of Theatre Craft; (3 credits) Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THET273, THET373, or THET284. Prerequisite: For Theatre majors or permission of department. Freshman standing. An introduction in basic theatre technology and craftsmanship. Students will learn the process of realizing a theatrical production through classroom instruction and participation in a University production.

0101	David Kriebs MW 2:00pm - 2:50pm F 2:00pm - 5:00pm	Seats (Total: 25) PAC 1809 PAC 1702	 Lab
0201	David Kriebs MW 3:00pm - 3:50pm F 2:00pm - 5:00pm	Seats (Total: 25) PAC 1809 PAC 1702	 Lab

THET116 **Fundamentals of Theatrical Design**

THET116 Fundamentals of Theatrical Design; (3 credits) Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THE273, THET373, or THET284. Prerequisite: Theatre Majors or permission of department. Recommended: THET220 or THET222. Freshman standing. Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

0101	Ariel Benjamin, Franklin Labovitz, Deborah Wheatley	Seats (Total: 20)	
	TuTh 3:30pm - 5:20pm	PAC 2733	

THET210 **Movement for Actors**

THET210 *(PermReq)* **Movement for Actors; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET112, THET113, THET114, THET115, and THET116. Not open to students who have completed 60 credits or THET421. Credit will be granted for only one of the following: THET210 or THET421. Formerly THET421. Focuses on increasing a performer's presence on stage. Will include the F.M. Alexander technique, movement improvisation, exercises for balance, strength, flexibility and stamina.

0101	Izumi Ashizawa	Seats (Total: 14)	
	TuTh 10:30am - 12:15pm	PAC 3736	

THET222 **Foundations of Acting and Performance**

THET222 *(PermReq)* **Foundations of Acting and Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Students must have less than 60 credits completed. Formerly THET112, THET220 and THET288. Credit will be granted for only one of the following: THET222; or (THET112, THET220, and THET288). Introduction to various acting techniques, especially Dallas- and Spolin-based improvisation and affective memory; an exploration of the nature of the planned performance and the collaborative creative process. Class will culminate with showcase performance experiences.

0101	Walter Dallas	Seats (Total: 20)	
	MW 10:00am - 11:50am	PAC 3732	Lab

THET223 **Text and Context in Western Theatre**

THET223 *(PermReq)* **Text and Context in Western Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Students must have less than 60 credit hours completed. Formerly: THET113 and THET115. Credit will be granted for only one of the following: THET223; or (THET113 and THET115). Explores social, political, and cultural development of Western theatre from classical period to twenty-first century. Part of the Foundation series for Theatre majors. Prepares students for upper-level courses in global theatre.

0101	Natalie Tenner TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1815
0102	Justin Poole TuTh 9:30am - 10:45am	Seats (Total: 25) PAC 1815

THET273 **Theatre Graphics I**

THET273 Theatre Graphics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: THET112, THET113, THET114, THET115 and THET116; or permission of department. An introduction in graphic techniques for theatrical design and production. The emphasis is on drafting by hand, with an introduction to computer-aided drafting and design.

0101	Brian Engel TuTh 9:30am - 11:15am	Seats (Total: 12) PAC 2733

THET284 **Stage Costume Construction I**

THET284 *(PermReq)* **Stage Costume Construction I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: THET284 or THET486. Formerly THET486. Study and practical experience in garment construction and related costume crafts as used in theatre costume design. Flat pattern development, corset construction, theatrical sewing techniques and organization of the costume construction process.

0101	Susan Chiang MW 9:00am - 11:50am	Seats (Total: 12) PAC 3749	 Lab

THET286 **Experiential Learning I**

THET286 *(PermReq)* **Experiential Learning I; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET112,THET113,THET114,THET115,THET116 and permission of department. Sophomore standing. Not open to THET students who have completed THET386. Introductory internship in theatre. Constructed to help students in their sophomore year gain practical experience in a supportive work environment in the theatre. Student must research and propose internship to a Faculty Advisor and Internship Venue.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0210	Franklin Hildy Contact instructor or department for details.	Seats (Total: 5)
0301	Leigh Smiley Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
0401	Scot Reese Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
0501	Leslie Felbain Contact instructor or department for details.	Seats (Total: 10)
0601	David Kriebs Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
0901	Mitchell Hebert Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
1301	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 5)	
1601	Daniel Conway Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)	
1701	Helen Huang Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)	
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 5)	
2001	Faedra Carpenter Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)	
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 5)	
2007	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)	
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 10)	

THET290 **American Theatre 1750 to 1890**

THET290 American Theatre 1750 to 1890; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.
Formerly THET310. Traces the evolution of the American theatre from its beginning through 1890, aligning this theatre with the major shifts and movements of American society itself, and arriving at the uniquely American theatre and culture.

0101	Heather Nathans MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) BPS 1250 PAC 1809	 Discussion
0102	Heather Nathans MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) BPS 1250 PAC 1809	 Discussion

0104	Heather Nathans MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) BPS 1250 PAC 1815	 Discussion

THET291 **American Theatre 1890-Present**

THET291 American Theatre 1890-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Formerly THET310. Traces the evolution of the American theatre during the twentieth century, aligning this theatre with the major shifts and movements of American society itself, and arriving at the uniquely American theatre and culture of today.

FC01	Carolyn Bain TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) KEY 0125

THET293 **Black Theatre and Performance I**

THET293 Black Theatre and Performance I; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Sophomore standing. Thematic and historical survey of African-American drama from the late nineteenth century to the 1960s. Emphasis on sociopolitical context, thematic thrust, issues, styles, the aesthetic reflected in the work, impact on African-American and general theatre audiences.

0101	Scot Reese M 2:00pm - 4:30pm	Seats (Total: 25) PAC 1815

THET310 **Voice for the Actor I**

THET310 *(PermReq)* **Voice for the Actor I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210, THET220, an audition, and permission of department. Sophomore standing. Not open to students who have completed THET221. Credit will be granted for only one of the following: THET221 or THET310. Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

0101	Leigh Smiley	Seats (Total: 12)	
	MW 10:00am - 11:50am	PAC 3736	Lab

THET324 **Character Development**

THET324 *(PermReq)* **Character Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210, THET220, an audition, and permission of department. Junior standing. Not open to students who have completed THET320. European-based physical approach to acting. Primary focus on character development, may include creating original characters and learning how to bring to life an already scripted character. Techniques to explore the soul and psychology of characters and their physical qualities, voice, rhythm and movement.

0101	Leslie Felbain	Seats (Total: 12)	
	TuTh 1:30pm - 3:15pm	PAC 3736	Lab

THET330 **Play Directing I**

THET330 *(PermReq)* **Play Directing I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: THET112, THET113, THET114, THET115, THET116, THET288; THET210 or THET220. Junior standing. A lecture-laboratory course dealing with the techniques of coordinating, designing and guiding the production of a script through to performance. Study and practice in stage composition, movement, pacing, script and character analysis, and rehearsal routines. Emphasis on methods of communicating a script to an audience.

0101	Scot Reese	Seats (Total: 12)	
	MW 10:00am - 11:50am	PAC 2740	

THET371 **Scenic Design I**

THET371 *(PermReq)* **Scenic Design I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: THET112, THET113, THET114, THET115, THET116, THET273, and THET288; or permission of department. Credit will be granted for only one of the following: THET371 or THET375. Formerly THET375. A study of design theory and style. Methods and techniques of coordination of all elements of scenic design for theatre.

0101	Mikhail Kachman MW 1:00pm - 2:50pm	Seats (Total: 8) PAC 2733

THET372 **Stage Property Design**

THET372 *(PermReq)* **Stage Property Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET114 or permission of department. Materials and techniques for the design and execution of stage properties with special emphasis on period research, special materials, and special effects.

0101	Timothy Jones Th 6:00pm - 8:50pm	Seats (Total: 10) PAC 1809

THET373 **Rendering for the Theatre I**

THET373 *(PermReq)* **Rendering for the Theatre I; (3 credits)** Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THET116. Prerequisite: permission of department. Credit will be granted for only one of the following: THET373 or THET484. Formerly THET484. A study in the techniques and tools of drawing and painting. It is designed for the student to develop rendering and drawing skills for theatrical design presentation.

0101	Helen Huang MW 10:00am - 11:50am	Seats (Total: 12) PAC 2733

THET386 **Experiential Learning**

THET386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

THET399 **Independent Study**

THET399 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0201	Franklin Hildy Contact instructor or department for details.	Seats (Total: 5)
0401	Scot Reese Contact instructor or department for details.	Seats (Total: 5)
0501	Karalee Dawn Contact instructor or department for details.	Seats (Total: 5)
0601	David Kriebs Contact instructor or department for details.	Seats (Total: 5)
0701	Walter Dallas Contact instructor or department for details.	Seats (Total: 5)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 5)
1101	Catherine Schuler Contact instructor or department for details.	Seats (Total: 5)
1301	Brian MacDevitt Contact instructor or department for details.	Seats (Total: 5)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 5)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 5)
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 5)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 5)
2003	Cary Gillett Contact instructor or department for details.	Seats (Total: 5)
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 6)
2007	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 5)

2009	Robert Thompson Contact instructor or department for details.	Seats (Total: 5)
2301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 5)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 5)

THET399D **Independent Study; Multi-Cultural Drama**

THET399D *(PermReq)* **Independent Study: Multi-Cultural Drama; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Faedra Carpenter TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1809

THET399F **Independent Study; Modern British Theatre**
Contact department for information to register for this course.

THET399H **Independent Study; London Stage**
Contact department for information to register for this course.

THET399J **Independent Study; Alexander Technique**

THET399J *(PermReq)* **Independent Study: Alexander Technique; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite THET 210 and 220.

0101	Leslie Felbain TuTh 10:30am - 12:15pm	Seats (Total: 12) PAC 3732

THET408R **Seminar: Theory and Performance Studies; Racial Transgression**

THET408R *(PermReq)* **Seminar: Theory and Performance Studies: Racial Transgression; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Faedra Carpenter Th 2:30pm - 5:00pm	Seats (Total: 20) PAC 1809

THET411 **Voice for the Actor II**

THET411 *(PermReq)* **Voice for the Actor II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET112, THET113, THET114, THET115, THET116, THET288, an audition, and permission of department. Junior standing. Credit will be granted for only one of the following: THET311, THET411 or THET499L. Formerly THET311. Learn the International Phonetic Alphabet (IPA) and apply to exploration of sound and language. Designed to increase voice and speech awareness, and create a base knowledge from which to approach any accent or dialect.

0101	Leigh Smiley	Seats (Total: 12)
	MW 1:00pm - 2:50pm	PAC 3732

THET425 **Actor's Process II**

THET425 *(PermReq)* **Actor's Process II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET310, and either THET324 or THET325, an audition, and permission of department. A deeper exploration of the work begun in THET325. A continuation of creating a personal process through which the actor can confidently approach any genre of play. Special focus on status and subtext and the world of the playwright.

0101	Mitchell Hebert	Seats (Total: 12)
	MW 10:00am - 11:50am	PAC 3730

THET429 **Actor's Studio**

THET429 *(PermReq)* **Actor's Studio; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET465 **History of Fashion for the Theatre**

THET465 *(PermReq)* **History of Fashion for the Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET116, or permission of instructor. Sophomore standing. A survey of Western clothing from the Ancient Worlds through 20th Century. A discussion of the cultural contexts of various trends in fashion through an examination of art, industry and textiles.

0101	Mikhail Kachman TuTh 9:30am - 10:45am	Seats (Total: 15) PAC 1807

THET471 **Design Studio in Scenery**

THET471 *(PermReq)* **Design Studio in Scenery; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET371 and permission of department. Also offered as THET639. Credit will be granted for only one of the following: THET471 or THET639. Advanced study of scenic design for the theatre. Particular design projects will vary. Also offered as THET639.

0101	Daniel Conway MW 10:00am - 11:50am	Seats (Total: 10) PAC 2755

THET474 **Stage Management**

THET474 *(PermReq)* **Stage Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Four of the five fundamental courses (THET112, THET113, THET114, THET115, THET116) and permission of instructor. Sophomore standing. Intensive practical study of the techniques and procedures for stage management.

0101	Cary Gillett F 9:00am - 11:50am	Seats (Total: 12) PAC 2804

THET479 **Production Practicum; Theater Workshop II**

THET479 *(PermReq)* **Production Practicum: Theater Workshop II; (1-3 credits)** Grade Method: REG.

0201	David Kriebs Contact instructor or department for details.	Seats (Total: 20)
0601	David Kriebs Contact instructor or department for details.	Seats (Total: 30)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 20)

1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 20)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 20)
2001	Instructor: TBA Contact instructor or department for details.	Seats (Total: 20)
2007	Cary Gillett Contact instructor or department for details.	Seats (Total: 30)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 20)

THET480 **Audio Technology**

THET480 *(PermReq)* **Audio Technology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: THET114; or permission of department.* First technical course in the installation and operation of professional sound systems. This course explores current standards of both analog and digital audio theory as well as recording and reinforcement techniques.

0101	Kristine Eckerman Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 10) PAC 1809 PAC 2740

THET481 **Theatre Graphics II: Computer Assisted Design**

THET481 *(PermReq)* **Theatre Graphics II: Computer Assisted Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: THET114, THET116, THET273, and permission of department. Sophomore standing. Study and practical application of computer generated graphical design for use in theatrical production.

0101	Daniel Conway TuTh 9:30am - 10:45am	Seats (Total: 7) PAC 2727

THET488R **Special Topics in Theatre History Before 1800; Renaissance Theatre**

THET488R *(PermReq)* **Special Topics in Theatre History Before 1800: Renaissance Theatre; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Franklin Hildy TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1815

THET499 **Independent Study**

THET499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0201	Franklin Hildy Contact instructor or department for details.	Seats (Total: 10)
0401	Scot Reese Contact instructor or department for details.	Seats (Total: 10)
0501	Raye Leith Contact instructor or department for details.	Seats (Total: 10)
0601	David Kriebs Contact instructor or department for details.	Seats (Total: 10)
0701	Walter Dallas Contact instructor or department for details.	Seats (Total: 5)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 10)
1101	Catherine Schuler Contact instructor or department for details.	Seats (Total: 10)
1301	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 10)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 10)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 10)

1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 10)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 10)
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 10)
2007	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
2009	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 10)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 10)

THET499B **Independent Study; FIGURE DRAWING**

THET499B *(PermReq)* **Independent Study: FIGURE DRAWING; (3 credits)** Grade Method: REG/AUD.

0101	Raye Leith F 9:00am - 11:50am	Seats (Total: 6) PAC 2740

THET499L **Independent Study; Lighting Design Studio**

THET499L *(PermReq)* **Independent Study: Lighting Design Studio; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Brian MacDevitt MW 3:00pm - 4:50pm	Seats (Total: 10) PAC 3731

THET499Y **Independent Study; The London Stage**
Contact department for information to register for this course.

THET600 **Introduction to Graduate Research Methods**

THET600 Introduction to Graduate Research Methods; (3 credits) Grade Method: REG/AUD.
A research and bibliography course with special emphasis on research in theatre. Required of all M.A. and M.F.A. students.

0101	Franklin Hildy M 4:00pm - 6:35pm	Seats (Total: 12) PAC 2515C

THET606 **Teaching Theatre**

THET606 Teaching Theatre; (1 credit) Grade Method: REG/AUD.
Strategies and materials for teaching a typical introductory course in theatre, with emphasis on specific problems of classroom instruction (e.g., creating a supportive climate, promoting active learning by students, constructing appropriate tests, adapting methods to content, and resolving discipline problems).

0101	Korey Rothman W 6:00pm - 7:00pm	Seats (Total: 10) PAC 2804

THET639 **Advanced Design Studio in Scenery**

THET639 Advanced Design Studio in Scenery; (3 credits) Grade Method: REG/AUD.
Also offered as THET471.

0101	Daniel Conway MW 10:00am - 11:50am	Seats (Total: 10) PAC 2755

THET649 **Advanced Design Studio in Costume**

THET649 Advanced Design Studio in Costume; (3 credits) Grade Method: REG/AUD.

0101	Helen Huang MW 1:00pm - 2:50pm	Seats (Total: 12) PAC 2755

THET659 **Advanced Design Studio in Lighting**

THET659 Advanced Design Studio in Lighting; (3 credits) Grade Method: REG/AUD.

0101	Brian MacDevitt	Seats (Total: 15)
	Contact instructor or department for details.	

THET669 **Independent Study**

THET669 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET669A **Independent Study; History of Fashion for the Theatre**

THET669A Independent Study: History of Fashion for the Theatre; (3 credits) Grade Method: REG/AUD.

0101	Mikhail Kachman	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 1807

THET669E **Independent Study; Directing for the Stage**

THET669E Independent Study: Directing for the Stage; (3 credits) Grade Method: REG/AUD.

0101	Mitchell Hebert	Seats (Total: 10)
	F 10:00am - 1:00pm	PAC 3730

THET669F **Independent Study; Figure Drawing**

THET669F *(PermReq)* **Independent Study: Figure Drawing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Raye Leith	Seats (Total: 9)
	F 9:00am - 11:50am	PAC 2740

THET685 **History of Theatrical Theory Before Modernism**

THET685 History of Theatrical Theory Before Modernism; (3 credits) Grade Method: REG.
Recommended: THET 600. Theories of drama (written script) and theatre (performance) from fifth-century B.C. Greece through nineteenth-century romanticism.

0101	Catherine Schuler Tu 4:00pm - 6:30pm	Seats (Total: 10) PAC 1807

THET700 **Introduction to Doctoral Studies in Theatre**

THET700 *(PermReq)* **Introduction to Doctoral Studies in Theatre; (3 credits)** Grade Method: REG/AUD.
Prerequisite: admission to the Ph.D. program in theatre. Basic skills in theatre research.

0101	Franklin Hildy M 4:00pm - 6:35pm	Seats (Total: 12) PAC 2515C

THET711 **Critical Theory: Methods and Concepts**

THET711 Critical Theory: Methods and Concepts; (3 credits) Grade Method: REG.
Prerequisite: THET700 and permission of instructor. Recommended: THET712. A doctoral methods course. Major developments in modern and postmodern critical theory with particular emphasis on application to the fields of Theatre and Performance Studies.

0101	Catherine Schuler M 5:15pm - 7:45pm	Seats (Total: 10) PAC 1807

THET788 **Master's Tutorial**

THET788 *(PermReq)* **Master's Tutorial; (1-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET789 **Master's Practicum**

THET789 *(PermReq)* **Master's Practicum; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

THET799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

THET888 *(PermReq)* **Doctoral Practicum in Theatre; (3-9 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET889 **Doctoral Tutorial in Theatre**

THET889 *(PermReq)* **Doctoral Tutorial in Theatre; (3-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET898 **Pre-Candidacy Research**

THET898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

THET899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

TOXI Toxicology Fall 2009

TOXI609 **Methods in Toxicology**

TOXI609 *(PermReq)* **Methods in Toxicology; (1-3 credits)** Grade Method: REG/AUD.

0101	Judd Nelson	Seats (Total: 5)
	Contact instructor or department for details.	

UMEI Maryland English Institute Fall 2009

UMEI002 **English as a Foreign Language: Intermediate I**

International students on F1 visas must maintain a full-time status. Full-time status for undergraduate students will be based on registration for 12 or more semester hours, for graduate students, it is a combination of courses equivalent to 48 units per semester. Registration in UMEI001-004 is equivalent to full-time study. Those enrolled in these courses are not permitted to enroll in any other course work. For further information on what constitutes full-time status, please see: http://www.testudo.umd.edu/soc/fulltime.html.

UMEI courses do not carry credit toward any degree at the University and do not count in the retention plan. Additional fees are required for these courses. For more information, see the financial section in the Registration Guide.

UMEI002 *(PermReq)* **English as a Foreign Language: Intermediate I; (12 credits)** Grade Method: S-F.

Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Joshua Gonsher, Christopher Welch	Seats (Total: 15)
	Meets September 2, 2009 - December 10, 2009	
	MTuWThF 9:00am - 11:50am	ARM 0118
	MTuWThF 1:00pm - 2:50pm	ARM 0121

UMEI003 **English as a Foreign Language: Intermediate II**

UMEI003 English as a Foreign Language: Intermediate II; (12 credits) Grade Method: S-F.

Intensive course for the non-native speaker of English who has mastered the essential structures of English grammar. Emphasis on improving communicative skills for a wide range of linguistic situations, on rapid expansion of vocabulary, and on improving reading comprehension and basic writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Daniela Wagner-Loera, Nina Liakos	Seats (Total: 20)
	Meets September 2, 2009 - December 10, 2009	
	MTuWThF 9:00am - 11:50am	HZF 2109
	MTuWThF 1:00pm - 2:50pm	ARM 0118

UMEI004 **English as a Foreign Language: Intermediate III**

UMEI004 *(PermReq)* **English as a Foreign Language: Intermediate III; (12 credits)** Grade Method: S-F.

Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0201	Daniela Wagner-Loera, Charles Duquette	Seats (Total: 20)
	Meets September 2, 2009 - December 10, 2009	
	MTuWThF 9:00am - 11:50am	ARM 0120
	MTuWThF 1:00pm - 2:50pm	ARM 0120
0301	Kimberly Brown, Diego Hernandez	Seats (Total: 20)
	Meets September 2, 2009 - December 10, 2009	
	MWF 9:00am - 11:50am	ARM 0121
	TuTh 9:00am - 11:50am	HBK 0123
	MTuWThF 1:00pm - 2:50pm	HBK 0123

UMEI005 **Advanced English as a Foreign Language**

UMEI005 Advanced English as a Foreign Language; (6 credits) Grade Method: S-F.

Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0501	Katharine Carter MWF 10:00am - 11:50am TuTh 10:00am - 11:50am	Seats (Total: 16) PHY 4220 HBK 1112
0601	Eric Walker MWF 10:00am - 11:50am TuTh 10:00am - 11:50am	Seats (Total: 16) EGL 1202 CSS 1113
0701	Eric Walker MTuWThF 1:00pm - 3:00pm	Seats (Total: 16) MTH 2300

UMEI006 **English Pronunciation**

UMEI006 *(PermReq)* **English Pronunciation; (2 credits)** Grade Method: S-F.

Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0201	Beth Kameras TuTh 1:00pm - 2:30pm	Seats (Total: 16) ARM 0101
0301	Elizabeth Kubicki TuTh 1:00pm - 2:30pm	Seats (Total: 16) HZF 2109

UMEI007 **Advanced Writing for International Students**

UMEI007 Advanced Writing for International Students; (3 credits) Grade Method: S-F.

Open to graduate students only. Special fee. A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Nathanael Rudolph TuTh 10:00am - 11:50am	Seats (Total: 16) EGL 1204
0201	Susan Gould WF 1:00pm - 2:50pm	Seats (Total: 16) ARM 0102

UMEI008A **Advanced Oral Communication Skills**

UMEI008A *(PermReq)* **Advanced Oral Communication Skills; (2 credits)** Grade Method: S-F.

0301	Katharine Carter TuTh 3:15pm - 5:15pm	Seats (Total: 25) JMZ 1224

UNIV University Courses Fall 2009

UNIV099 **Internship Seminar**

UNIV099 *(PermReq)* **Internship Seminar; (No credit)** Grade Method: S-F. Permission required. Obtain signature and more information at the Career Center, 3100 Hornbake Library, South Wing.

0101	Adam Knatz Contact instructor or department for details.	Seats (Total: 90)

UNIV100 **The Student in the University**

UNIV100 The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed EDCP108O. Credit will be granted for only one of the following: EDCP108O or UNIV100. Formerly EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored. Previously offered as EDCP 108O. This course is restricted to first-year freshman and transfer students.

0201	Matthew Burger, Klihsree Myat M 10:00am - 11:50am *For BSOS students only.*	Seats (Total: 25) TYD 2108
0202	Kimberly Bethke M 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) JMZ 3120
0203	Omri Arens W 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) BPS 1234
0204	Regina Huhtanen Tu 10:00am - 11:50am *For BSOS students only.*	Seats (Total: 25) TLF 1101
0205	Christie Cradock Th 10:00am - 11:50am *For BSOS students only.*	Seats (Total: 25) TLF 1101
0206	Omri Arens Th 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) KEY 0120
0207	Rosalyn Anderson-Howell Tu 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) TLF 2103

0208	Jay Garvey W 10:00am - 11:50am *For BSOS students only.*	Seats (Total: 25) LEF 1201
0209	TC Lloyd Tu 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) HBK 1112
0402	Jameel Scott W 2:00pm - 3:50pm *Restricted to Computer, Mathematical and Physical Sciences students.*	Seats (Total: 25) PLS 1111
0501	Jennifer Froh Th 1:00pm - 2:50pm *Restricted to students in Education.*	Seats (Total: 20) EDU 0220
0503	Katherine Buster W 11:00am - 12:50pm	Seats (Total: 12) EDU 0220
0601	LaWanda Kamalidiin W 2:00pm - 3:50pm *Restricted to A. James Clark School of Engineering majors and new transfer.*	Seats (Total: 17) EGR 3111
0604	DaFran Ware Th 2:00pm - 3:50pm *Restricted to freshmen in the A. James Clark School of Engineering*	Seats (Total: 20) MTH 1311
0701	Shannon Moran W 3:00pm - 4:50pm *Restricted to Journalism majors.*	Seats (Total: 20) PLS 1176
0702	Olive Reid W 3:00pm - 4:50pm *Restricted to Journalism majors.*	Seats (Total: 20) PLS 1164

0801	Robyn Epstein **Meets August 31, 2009 - November 16, 2009** M 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1168
0802	Nichole Howe **Meets September 10, 2009 - November 19, 2009** Th 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) BPS 1232
0803	Khadish Franklin **Meets August 31, 2009 - November 16, 2009** M 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) SYM 0215
0804	Steve Mobley **Meets August 31, 2009 - November 16, 2009** M 12:00pm - 1:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) WDS 1131
0805	Rebecca Gavrila **Meets August 31, 2009 - November 16, 2009** M 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) COL 3110
0807	Shayna Smith **Meets September 8, 2009 - November 17, 2009** Tu 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1168

0808	Elizabeth Niehaus **Meets September 8, 2009 - November 17, 2009** Tu 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) HBK 0108
0809	Gregory Shaffer **Meets September 9, 2009 - November 17, 2009** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students interested i Pre-Law.*	Seats (Total: 20) MTH 0401
0811	James Cecil **Meets August 31, 2009 - November 16, 2009** M 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1172
0812	Mark Stewart **Meets September 8, 2009 - November 17, 2009** Tu 12:30pm - 2:20pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) EGR 1102
0814	Brent Hernandez **Meets September 9, 2009 - November 18, 2009** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) LEF 1222
0815	Arthur Herbig **Meets September 9, 2009 - November 18, 2009** W 9:00am - 10:50am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) EGR 1102

0819	Jennifer Runnels **Meets September 9, 2009 - November 18, 2009** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) LEF 1221
0820	Kimberly Holmes, Elizabeth Greenberg **Meets September 10, 2009 - November 19, 2009** Th 12:30pm - 2:20pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) EGR 1110
0822	Carl Morrow **Meets September 10, 2009 - November 19, 2009** Th 9:30am - 11:20am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1164
0823	Yali Pan **Meets September 9, 2009 - November 18, 2009** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 1108
0826	Thomas Castillo **Meets September 9, 2009 - November 18, 2009** W 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1184
0841	Nadine Frederique **Meets August 31, 2009 - November 16, 2009** M 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1162

0845	Sarah Bailey **Meets September 8, 2009 - November 17, 2009** Tu 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) LEF 1221
0850	Laila Shishineh **Meets September 9, 2009 - November 18, 2009** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1164
0851	Lindsay Knight **Meets August 31, 2009 - November 16, 2009** M 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 0115
0852	Miki Brooks **Meets September 9, 2009 - November 18, 2009** W 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) KEY 0121
0854	Kelly Ridings **Meets August 31, 2009 - November 16, 2009** M 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) TLF 1101
0855	Steve Leonard **Meets September 9, 2009 - November 18, 2009** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 0115

0857	Thomas Steen **Meets September 9, 2009 - November 18, 2009** W 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1146
0858	N Adaire Parker **Meets September 9, 2009 - November 18, 2009** W 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 0103
0859	Julie Grossman **Meets September 9, 2009 - November 18, 2009** W 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 22) KEY 0124
0902	Rebecca Kenemuth M 3:00pm - 4:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) CHE 2116
0903	Aleece Sisson Tu 10:00am - 11:50am *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) CHE 2145
0904	Tasara Redekopp M 10:00am - 11:50am *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) TYD 2110
0905	Cecilia Jordan Tu 10:00am - 11:50am *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) HBK 0105
0906	Marsha Guenzler-Stevens Tu 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) COL 3110

0907	Rachel Volke W 3:00pm - 4:50pm	Seats (Total: 20) KEY 0117
0908	Richard Medellin Th 12:00pm - 1:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) SYM 0209
0909	Megan Miller W 11:00am - 12:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) PLS 1164
0910	Katerina Thompson W 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) SYM 0215
0911	Ashley Adkins W 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) PHY 4208
0912	Gene Ferrick W 12:00pm - 1:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) COL 0101
0913	Lisa Bradley-Klemko M 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 0) SYM 0209
0914	Millree Williams Th 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) HBK 0103
0915	Gregory Rheault M 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) PLS 1111
0916	Solbee Kim, Sacared Bodison Tu 10:00am - 11:50am *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) EGR 1110

0917	Earlene Armstrong Contact instructor or department for details. *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 10)
0918	Lani Yap Th 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) PLS 1168
0919	Stacy Woycheck Th 3:00pm - 4:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) TLF 1103
0920	Kevin Baxter Th 3:30pm - 5:20pm *Restricted to College Park Scholars - Life Sciences.*	Seats (Total: 20) CCC 1200
0921	Maraki Kebede M 2:00pm - 3:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) BPS 1234
0922	Eden Garosi W 1:00pm - 2:50pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 20) TYD 0102
0923	Gerry Strumpf W 12:00pm - 2:00pm *Restricted to students in Chemical and Life Sciences.*	Seats (Total: 0) COL 1102
1001	Heather Arianna MW 11:00am - 11:50am *Restricted to student-athletes. This course will meet in the Gossett Football Team House classroom.*	Seats (Total: 30) BPS 1232
1002	Krista Chmielewski TuTh 10:00am - 10:50am *Restricted to student athletes. This course will meet in Gossett Football Team House classroom.*	Seats (Total: 20) CHM 0122

1003	Donald Pearman TuTh 11:00am - 11:50am	Seats (Total: 30) Location: TBA
	Restricted to student athletes. This course will meet in Gossett Football Team House classroom.	
1004	Natasha Criss MW 10:00am - 10:50am	Seats (Total: 20) BPS 1238
	Restricted to student athletes. This course will meet Gossett Football Team House classroom.	
1005	Jaison Freeman TuTh 12:30pm - 1:20pm	Seats (Total: 20) CHE 2118
	Restricted to student athletes. The course will meet in the ASCDU Classroom in the Comcast Center.	
1007	Laura Fellon TuTh 11:00am - 11:50am	Seats (Total: 20) MMH 0108
	Restricted to student athletes.	
1101	Courtney Miller Tu 9:00am - 10:50am	Seats (Total: 19) ARC 1121
	Restricted to Architecture majors.	
1102	Courtney Miller Th 2:00pm - 3:50pm	Seats (Total: 19) ARC 1123
	Restricted to Architecture majors.	
1103	Courtney Miller Tu 2:00pm - 3:50pm	Seats (Total: 19) ARC 1121
	Restricted to Architecture majors.	
1201	Laila Shishineh F 10:00am - 11:50am	Seats (Total: 20) SPH 0307
	Restricted to students in the College of Health and Human Performance.	

1301	Ashlee Kerkhoff **Meets September 9, 2009 - November 11, 2009** W 3:00pm - 4:50pm *Restricted to students in Easton and Elkton hall.*	Seats (Total: 20) ELK 1125
1501	Leon Slaughter Th 2:00pm - 3:50pm *Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.*	Seats (Total: 20) PLS 1164
1503	Roy Walls M 2:00pm - 3:50pm *Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.*	Seats (Total: 15) JUL 1111
FC01	Erin Caporellie M 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1115
FC02	Stella Okeke M 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HBK 0123
FC03	Nadine Frederique Tu 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) KEY 0120
FC04	Neruh Ramirez Tu 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) SYM 0215
FC05	Katie Munsch W 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HBK 0108
FC06	Julie Sass W 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1115

FC07	DaFran Ware Th 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) EDU 0114
FC08	Thomas Steen Tu 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1146
FC09	Erin Iverson F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 22) SYM 0215
FC10	Joel Solorzano F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) EGR 2154
FC11	Natasha Criss F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) CCC 1115
FC12	Heather Arianna Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 17) EGR 2116
FC13	Alex Teh M 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) ERC B0136
FC14	Kirsten Crase Tu 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) CHE 2118
FC15	Eric Johnson F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) SYM 0215
FC16	Hilary Sazama F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 22) EDU 3315

FC17	Kisha Hemphill M 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1113
FC18	Emily Glasthal M 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) BPS 1232
FC19	Dottie Chicquelo F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1111
FC20	Jason Rivera, Michael Andrews Th 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 17) SYM 0200
FC21	J Greene M 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) ASY 3219
FC22	Theresa Bevilacqua W 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) ASY 3219
FC23	Evelyn Cooper Th 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1115
FC24	Kurt Klier Tu 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1115
FC25	Ashley Peters F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) BPS 1238
FC26	Keonna Feaster Tu 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1115

FC27	Molly Morin Tu 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) JMZ 3120

UNIV100H **The Student in the University**

UNIV100H The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed EDCP108O. Credit will be granted for only one of the following: EDCP108O or UNIV100. Formerly EDCP108O.*

0924	Linda Lachman Th 1:00pm - 2:30pm *Restricted to Chemical & Life Sciences students.*	Seats (Total: 20) HBK 0115
0925	Justin Nero W 11:00am - 12:30pm *Restricted to Chemical & Life Sciences students.*	Seats (Total: 20) MTH 0101

UNIV101 **The Student in the University and Introduction to Computer Resources**

UNIV101 The Student in the University and Introduction to Computer Resources; (2 credits) Grade Method: REG/P-F/AUD.
Introduces students to University life and current computer resources. In a small classroom setting, students will explore the world of higher education and current technological advances available to them. Additionally students will explore current resources both internal and external to the University, and how to utilize the World Wide Web as a research tool. This course is restricted to freshman and first-year transfer students.

0101	Lori DeBoy W 1:00pm - 2:40pm *Restricted to Music majors only.*	Seats (Total: 20) PAC 2115
0102	Mary Bell W 3:00pm - 4:40pm *Restricted to Communication majors.*	Seats (Total: 0) PLS 1172

0104	Dawn Gavin W 2:00pm - 3:40pm *Restricted to Art Studio and Art History majors.*	Seats (Total: 20) JMZ 2207
0107	Stefania Amodeo M 2:00pm - 3:40pm *Restricted to Foreign Language majors.*	Seats (Total: 20) JMZ 2207
0108	David Kriebs F 10:00am - 11:40am *Restricted to Theatre and Dance majors.*	Seats (Total: 20) PAC 1807
0109	Jennifer Dunsmore W 3:00pm - 4:40pm *Restricted to English majors.*	Seats (Total: 20) WDS 0104
0110	Julie Taddeo M 12:00pm - 1:40pm *Restricted to History majors.*	Seats (Total: 20) TYD 1118
0112	Julie Gowin M 1:00pm - 2:40pm *Restricted to Communication majors.*	Seats (Total: 20) PLS 1146
0114	Paula Nadler M 12:00pm - 1:40pm *Restricted to students in the College of Arts and Humanities.*	Seats (Total: 20) TYD 0101
0502	Jennifer Froh M 11:00am - 12:50pm	Seats (Total: 0) EDU 0220

UNIV104 **STEP: Reading and Writing at the College Level**

UNIV104 *(PermReq)* **STEP: Reading and Writing at the College Level; (1 credit)**
Grade Method: REG/P-F.
For STEP Individual Admits only. A workshop designed to enhance students' college level reading and writing abilities to include study skills and strategies for success.

0201	Dahlia Levin M 8:00am - 8:50am	Seats (Total: 20) Location: TBA
	Recommended for student athletes only. This course will meet in Gossett Football Team House.	
0301	Natalie Hoffmann Tu 11:00am - 11:50am	Seats (Total: 23) PLS 1172
0401	Sachi Edwards Tu 11:00am - 11:50am	Seats (Total: 15) Location: TBA
	Recommended for student athletes only. The class will meet in ASCDU in Comcast Center.	

UNIV188A **Introduction to Global Communities; Understanding Culture and Cultural Differences**

UNIV188A *(PermReq)* **Introduction to Global Communities: Understanding Culture and Cultural Differences; (1 credit)** Grade Method: REG.
Prerequisite: Enrollment in Global Communities Living-Learning Program.

0101	Kevin McClure Tu 3:30pm - 4:45pm	Seats (Total: 40) DOR 0128
0201	Kevin McClure Th 3:30pm - 4:45pm	Seats (Total: 40) DOR 0128

UNIV288I **Global Communities Colloquium III; Internship**

UNIV288I *(PermReq)* **Global Communities Colloquium III: Internship; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

UNIV288P **Global Communities Colloquium III; Pathways to Global Engagement**

UNIV288P *(PermReq)* **Global Communities Colloquium III: Pathways to Global Engagement; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Enrollment in Global Communities Living-Learning Program.

0101	Ranetta Hardin M 3:30pm - 4:45pm	Seats (Total: 25) JMZ 0205

0201	Caitlin Haugen Th 5:30pm - 6:45pm	Seats (Total: 25) Location: TBA

UNIV325 **Beyond the Classroom Seminar I**

UNIV325 Beyond the Classroom Seminar I; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program. Development of effective written and oral communication skills for a variety of constituents. Development of civic engagement principles. Students prepare professional portfolios in preparation for a semester-long internship. Restricted to students in Beyond the Classroom (BTC) living and learning program. Development of effective written and oral communication skills for a variety of constituents.

0101	James Riker Tu 3:30pm - 5:30pm	Seats (Total: 40) SCC 1102
0201	James Riker W 3:30pm - 5:30pm	Seats (Total: 40) Location: TBA

UNIV326 **Beyond the Classroom Seminar II**

UNIV326 Beyond the Classroom Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325; for students in the Beyond the Classroom (BTC) living and learning program. Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

0101	Megan Riley M 5:00pm - 6:00pm	Seats (Total: 15) SCC 1102
0201	Megan Riley Th 3:00pm - 4:00pm	Seats (Total: 15) SCC 1102

UNIV348M **Federal Semester Seminar; U.S. Foreign Policy in the Israeli-Palestinian Conflict**

UNIV348M *(PermReq)* **Federal Semester Seminar: U.S. Policy inthe Israeli-Palestinian Conflict; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Paul Scham	Seats (Total: 20)
	TuTh 9:30am - 10:45am	HZF 0142
	Click here for more course information.	

UNIV348P **Federal Semester Seminar; Federal Health Policy**

UNIV348P *(PermReq)* **Federal Semester Seminar: Federal Health Policy; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Elaine Anderson	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	CCC 1200
	Click here for more course information.	

UNIV348T **Federal Semester Seminar; Federal Homeland Security Policy**

UNIV348T *(PermReq)* **Federal Semester Seminar: Federal Homeland Security Policy; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Magdalena Bajll	Seats (Total: 25)
	Tu 6:30pm - 8:30pm	PLS 1119
	Th 6:30pm - 7:30pm	PLS 1119

UNIV378 **Beyond the Classroom Experiential Learning; Beyond Classroom Experiential Learning**

UNIV378 Beyond the Classroom Experiential Learning: Beyond Classroom Experiential Learning; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Megan Riley	Seats (Total: 15)
	Contact instructor or department for details.	

UNIV389A **Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

UNIV389A *(PermReq)* **Special Topics in Undergraduate Studies: Army ROTC Independent Study Projects; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ranelle Manaois	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV389L **Special Topics in Undergraduate Studies; BTC Seminar III, Civic Leadership for Community Engagement**

UNIV389L Special Topics in Undergraduate Studies: BTC Seminar III, Civic Leadership for Community Engagement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325 and UNIV326.

0101	James Riker	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV399E **Experiential Learning in Undergraduate Studies; Envisioning Peace**

UNIV399E Experiential Learning in Undergraduate Studies: Envisioning Peace; (1 credit) Grade Method: REG/P-F/AUD.

0101	James Riker	Seats (Total: 40)
	M 7:00pm - 9:00pm	SCC 1102

URSP Urban Studies and Planning Fall 2009

URSP100 **Challenge of the Cities**

URSP100 Challenge of the Cities; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly URBS100. Contemporary urban patterns, trends and problems. Major urban issues, such as: population change, the economy, land use, housing, neighborhood development, fiscal and unemployment crises, and social, environmental, and political controversies of metropolitan areas. International urbanization patterns and policies. Also offered as LASC100.

0101	William Hanna	Seats (Total: 25)	
	Tu 11:00am - 12:15pm	TYD 0117	
	Th 11:00am - 12:15pm	TYD 0117	Discussion
0102	William Hanna	Seats (Total: 25)	
	Tu 11:00am - 12:15pm	TYD 0117	
	Th 11:00am - 12:15pm	EDU 0206	Discussion

0103	William Hanna Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 25) TYD 0117 EDU 0114	 Discussion
0104	William Hanna Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 25) TYD 0117 EDU 2101	 Discussion

URSP399I **Independent Study**

URSP399I *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP600 **Research Design and Application**

URSP600 Research Design and Application; (3 credits) Grade Method: REG. *Formerly URSP602.* Techniques in urban research, policy analysis, and planning. Survey of descriptive and normative models. Objective and subjective measurements. Emphasis on assumptions of research.

0101	Joseph Costanzo Th 7:00pm - 9:30pm	Seats (Total: 15) ARC 1103

URSP601 **Research Methods**

URSP601 Research Methods; (3 credits) Grade Method: REG/AUD. *Prerequisite: approved statistics course or permission of instructor. Recommended: URSP 600. Formerly URBS601.* Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

0101	Jason Sartori Tu 4:00pm - 6:30pm	Seats (Total: 15) ARC 0111

URSP604 **The Planning Process**

URSP604 *(PermReq)* **The Planning Process; (3 credits)** Grade Method: REG/AUD. *Credit will be granted for only one of the following: URSP 604, URBS 656 or URBS 604. Formerly URBS604.* Problem formulation, goal setting, generating and evaluating alternatives, budgeting, implementation. Working with committees and communities, conducting meetings, making decisions, and making presentations. For URSP Majors Only.

0101	Alexander Chen	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	ASY 3217

URSP605 **Planning History and Theory**

URSP605 Planning History and Theory; (3 credits) Grade Method: REG/AUD. Exploration of the major events and issues in United States planning history, the prevailing theories of planning, and the planning history-theory relationship. Emphasis on urban planning.

0101	James Cohen	Seats (Total: 25)
	M 7:00pm - 9:35pm	ARC 1103

URSP606 **Microeconomics of Planning and Public Policy**

URSP606 Microeconomics of Planning and Public Policy; (3 credits) Grade Method: REG.
Not open to students who have completed URSP 630 or URBS 630. Credit will be granted for only one of the following: URSP 606, URBS 606, or URBS 630. Formerly URBS606. Resource allocation in a market economy, the nature of market failures, and the justifications for public sector intervention. The limits and possibilities for planning in a market economy.

0101	John Carruthers	Seats (Total: 23)
	Tu 7:00pm - 9:30pm	ARC 1105

URSP607 **Human Behavior and the Physical Environments**

URSP607 Human Behavior and the Physical Environments; (3 credits) Grade Method: REG/AUD.
Recommended: URSP 603. Formerly URBS607. Theories and research about ways human-produced environments change and are changed by the behavior of individuals and groups.

0101	Sidney Brower	Seats (Total: 10)
	W 4:00pm - 6:30pm	ASY 3221

URSP612 **Geographic Information Systems for Urban Planning**

URSP612 Geographic Information Systems for Urban Planning; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: URSP 612 or URSP 688M. Formerly URSP688M. An introduction to GIS and its application to urban planning. Topics include: thematic mapping, GIS data structure, spatial analysis, Internet GIS, using census data to study urban areas, and examples of urban GIS application. Weekly laboratory and project work use ArcGIS software.

0101	Rebecca Lewis	Seats (Total: 20)
	W 7:00pm - 9:30pm	LEF 0231

URSP632 **The Urban Neighborhood**

URSP632 The Urban Neighborhood; (3 credits) Grade Method: REG/AUD.
Formerly URBS632. Urban neighborhoods as physical, socio-political and geographic entities. Residents' perceptions, urban/suburban differences, neighboring behavior, organization, planning, design concepts.

0101	William Hanna	Seats (Total: 20)
	M 4:00pm - 6:30pm	ASY 3221

URSP661 **City and Regional Economic Development Planning**

URSP661 City and Regional Economic Development Planning; (3 credits) Grade Method: REG/AUD.
Prerequisite: URSP 606 or URSP 660. Credit will be granted for only one of the following: URSP 661, URBS 440 or URBS 661. Formerly URBS661. Spatial patterns of employment and populations, and models of urban and regional growth and decline. Focus on application of economic theory and urban planning techniques to issues of local economic development and planning.

0101	Marie Howland	Seats (Total: 20)
	Th 4:00pm - 6:30pm	ARC 1101

URSP673 **Social Planning**

URSP673 Social Planning; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: URSP 673, URBS 683, or URBS 673. Formerly URBS673. Planning programs and policies in health, education, and social welfare. Strategies for organizational and community change and development.

0101	Howell Baum	Seats (Total: 20)
	W 4:00pm - 6:30pm	VMH 1418

URSP688C **Recent Developments in Urban Studies; Designing for Community**

URSP688C Recent Developments in Urban Studies: Designing for Community; (3 credits) Grade Method: REG/AUD.

0101	Sidney Brower	Seats (Total: 10)
	Tu 4:00pm - 6:30pm	ARC 1125

URSP688Q **Recent Developments in Urban Studies; Urban Economics**

URSP688Q *(PermReq)* **Recent Developments in Urban Studies: Urban Economics; (3 credits)** Grade Method: REG/AUD.

0101	Chengri Ding	Seats (Total: 15)
	W 4:00pm - 6:30pm	Location: TBA

URSP688T **Recent Developments in Urban Studies; Introduction to Transportation Policy and Decision Making**

URSP688T Recent Developments in Urban Studies: Introduction to Transportation Policy and Decision Making; (3 credits) Grade Method: REG/AUD.

0101	Kelly Clifton Tu 4:00pm - 6:30pm	Seats (Total: 20) ARC 1123

URSP708 **Community Planning Studio**

URSP708 Community Planning Studio; (6 credits) Grade Method: REG/AUD. Course will meet in the Community Planning Studio.

0101	Alexander Chen Tu 7:00pm - 9:45pm Th 9:00am - 12:00pm	Seats (Total: 10) Location: TBA ARC 1121

URSP709 **Field Instruction**

URSP709 Field Instruction; (3 credits) Grade Method: REG/AUD.

0101	James Cohen Contact instructor or department for details.	Seats (Total: 20)

URSP710 **Research Seminar: Urban Theory and Issues**

URSP710 *(PermReq)* **Research Seminar: Urban Theory and Issues; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 15 graduate credit hours in URSP. For URSP majors only. Formerly URBS710. An advanced research seminar for M.A. and M.C.P. students preparing their final research projects.

Contact department for information to register for this course.

URSP788 **Independent Study in Urban Studies and Planning**

URSP788 *(PermReq)* **Independent Study in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

URSP798 *(PermReq)* **Readings in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

URSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP804 **Advanced Planning Theory**

URSP804 Advanced Planning Theory; (3 credits) Grade Method: REG/AUD. Relations between theory and practice in planning. Ways of developing and using knowledge in collective action. Challenges to organizing for planning, finding knowledge useful for planning and balancing social attachments with free inquiry. This course is a required core course for the PH.D. program in Urban and Regional Planning and Design.

0101	Howell Baum	Seats (Total: 15)
	M 1:00pm - 3:35pm	EDU 3236

URSP898 **Pre-Candidacy Research**

URSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

URSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

USLT Latina/o Studies Fall 2009

USLT201 **U.S. Latina/o Studies I: An Historical Overview to the 1960's**

USLT201 U.S. Latina/o Studies I: An Historical Overview to the 1960's; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Interdisciplinary course focusing on demographics, terminology and social constructs of race, class, ethnicity, indigeneity, gender, and sexuality associated with the historical and political roots of US Latinidades. Examines the formation, evolution an adaptation of US Latina/o communities as critical field of inquiry.

0101	Ana Rodriguez	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CHE 2136

VMSC Veterinary Medical Sciences Fall 2009

VMSC688A **Special Topics in Veterinary Medical Sciences; Advances in Reverse Genetics of Animal Viruses**

VMSC688A Special Topics in Veterinary Medical Sciences: Advances in Reverse Genetics of Animal Viruses; (1-4 credits) Grade Method: REG.

0101	Siba Samal	Seats (Total: 20)
	TBA	GVC 1216

VMSC688C **Special Topics in Veterinary Medical Sciences; Biology and Epidemiology of Zoonotic Viral Diseases**

VMSC688C Special Topics in Veterinary Medical Sciences: Biology and Epidemiology of Zoonotic Viral Diseases; (2 credits) Grade Method: REG.

0101	Daniel Perez	Seats (Total: 10)
	W 9:00am - 11:00am	GVC 1216

VMSC689 **Use of Genomics and Proteomics in Infectious Disease**

VMSC689 Use of Genomics and Proteomics in Infectious Disease; (3 credits) Grade Method: REG/AUD.

0101	Utpal Pal	Seats (Total: 20)
	F 1:00pm - 4:00pm	GVC 1216

VMSC698 **Seminar in Veterinary Medical Science**

VMSC698 Seminar in Veterinary Medical Science; (1-3 credits) Grade Method: REG.
Class will meet in 1216 Gudelsky Building.

0101	Ioannis Bossis	Seats (Total: 20)
	W 3:00pm - 4:00pm	GVC 1216

VMSC699 **Special Problems in Veterinary Medical Sciences**

VMSC699 Special Problems in Veterinary Medical Sciences; (1-4 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC720 **Viral Pathogenesis**

VMSC720 Viral Pathogenesis; (2 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. This course will teach graduate students about mechanisms of infections by animal and human viral pathogens, including virus-cell interactions, host responses, and consequences of virus infection. Particular attention will be focused on the molecular mechanisms of the interactions between virus and host.

0101	Yanjin Zhang	Seats (Total: 20)
	F 9:00am - 11:00am	GVC 1216

VMSC760 **Immunology of Infectious Diseases**

VMSC760 Immunology of Infectious Diseases; (3 credits) Grade Method: REG/AUD.
Prerequisite: MICB750 or equivalent; or permission of instructor. An advanced graduate level course that focuses on the cutting-edge knowledge of immunity and recent research breakthroughs in the interactions between host immune system and infectious pathogen, and vaccine development

0101	Xiaoping Zhu	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	GVC 1216

VMSC799 **Thesis Research**

VMSC799 Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC898 **Pre-Candidacy Research**

VMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC899 **Dissertation Research**

VMSC899 *(PermReq)* **Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST Women's Studies Fall 2009

WMST200 **Introduction to Women's Studies: Women and Society**

WMST200 Introduction to Women's Studies: Women and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women. WMST 200 (or WMST 250) is a prerequisite for WMST 400.

0101	Mary Bazemore TuTh 9:30am - 10:45am	Seats (Total: 25) TWS 1107
0201	Mary Bazemore TuTh 12:30pm - 1:45pm	Seats (Total: 25) WDS 0104
0301	Ana Perez TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1114
0401	Ana Perez TuTh 2:00pm - 3:15pm	Seats (Total: 25) WDS 1114

WMST210 **Women in America to 1880**

WMST210 Women in America to 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as HIST210. Credit will be granted for only one of the following: WMST210 or HIST210.* An examination of the economic, family, and political roles of colonial, slave, immigrant and frontier women in America from the pre-industrial colonial period through the early stages of nineteenth century industrialization and urbanization.

0101	Clare Lyons MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 KEY 0119	Discussion
0102	Clare Lyons MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 0119	Discussion
0103	Clare Lyons MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 TYD 2110	Discussion
0104	Clare Lyons MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 0119	Discussion
0105	Clare Lyons MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 LEF 1201	Discussion
0106	Clare Lyons MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 WDS 1131	Discussion
0107	Clare Lyons MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 TYD 2108	Discussion
0108	Clare Lyons MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 0123	Discussion

WMST212 **Women in Western Europe 1750-Present**

WMST212 Women in Western Europe 1750-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as HIST212. Credit will be granted for only one of the following: WMST212 or HIST212. An analysis of the economic, family, and political roles of European women from 1750 to the present. The effects of industrialization on women's work and status, the demographic parameters of women's lives, and women's participation in political events from market riots to suffrage struggles.

0101	Gay Gullickson TuTh 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0120	 Discussion
0102	Gay Gullickson TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 0123	 Discussion
0103	Gay Gullickson TuTh 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0123	 Discussion
0104	Gay Gullickson TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 TLF 1101	 Discussion

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

WMST250 Introduction to Women's Studies: Women, Art and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women. WMST 250 (or WMST 200) is a prerequisite for WMST 400.

0101	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 12) SYM 0200 WDS 1131	Discussion
0102	Deborah Rosenfelt Tu 2:00pm - 3:40pm F 11:00am - 11:50am	Seats (Total: 11) SYM 0200 HBK 0108	Discussion
0103	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 11) SYM 0200 WDS 1130	Discussion
0104	Deborah Rosenfelt Tu 2:00pm - 3:40pm F 12:00pm - 12:50pm	Seats (Total: 12) SYM 0200 SYM 0209	Discussion
0105	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 11) SYM 0200 PLS 1158	Discussion
0106	Deborah Rosenfelt Tu 2:00pm - 3:40pm F 1:00pm - 1:50pm	Seats (Total: 11) SYM 0200 PLS 1168	Discussion
0107	Deborah Rosenfelt Tu 2:00pm - 3:40pm Tu 4:00pm - 4:50pm	Seats (Total: 11) SYM 0200 WDS 1131	Discussion
0108	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 11) SYM 0200 JMZ 2123	Discussion
0201	Genevieve Page MWF 10:00am - 10:50am	Seats (Total: 23) WDS 0104	
0301	Rajani Bhatia MWF 11:00am - 11:50am	Seats (Total: 23) WDS 0104	
0401	Angel Miles MWF 12:00pm - 12:50pm	Seats (Total: 23) WDS 1114	

0501	yh Patt TuTh 9:30am - 10:45am	Seats (Total: 24) WDS 1130
0601	yh Patt TuTh 12:30pm - 1:45pm	Seats (Total: 23) ASY 3221
0701	Carissa Liro-Hudson TuTh 11:00am - 12:15pm	Seats (Total: 24) WDS 1130
0801	Carissa Liro-Hudson TuTh 2:00pm - 3:15pm	Seats (Total: 23) WDS 0104
0901	Safoora Nourbakhsh TuTh 9:30am - 10:45am	Seats (Total: 24) HBK 0302J
1001	Safoora Nourbakhsh TuTh 12:30pm - 1:45pm	Seats (Total: 23) PLS 1113
FC01	Bettina Judd MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) WDS 1130
FC02	Bettina Judd MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) WDS 1130

WMST255 **Introduction to Literature by Women**

WMST255 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. *Also offered as ENGL250. Credit will be granted for only one of the following: WMST255 or ENGL250.* Images of women in literature by and about women.

0101	Natalie Hoffmann MWF 10:00am - 10:50am	Seats (Total: 35) TWS 0214
0201	David Rettenmaier MWF 12:00pm - 12:50pm	Seats (Total: 35) TWS 0214

WMST263 **Introduction to Black Women's Studies**

WMST263 Introduction to Black Women's Studies; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298I. Credit will be granted for only one of the following: WMST298A, AASP298I, or AASP298S. Formerly WMST298A. Interdisciplinary exploration of Black women, culture and society in the United States. Drawn primarily from the social sciences and history with complementary material from literature and the arts.

0101	Mel Lewis TuTh 2:00pm - 3:15pm	Seats (Total: 30) SYM 0215

WMST275 **World Literature by Women**

WMST275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as CMLT275. Credit will be granted for only one of the following: WMST275 or CMLT275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Liora Moriel MWF 10:00am - 10:50am	Seats (Total: 35) HBK 0302H
0201	Kara Morillo MW 2:00pm - 3:15pm	Seats (Total: 35) KEY 1117
0301	Megan Monserez TuTh 12:30pm - 1:45pm	Seats (Total: 35) COL 0100
0401	Amy Karp TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1101

WMST325 **The Sociology of Gender**

WMST325 The Sociology of Gender; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Prerequisite: Three credits of sociology. Also offered as SOCY325. Credit will be granted for only one of the following: WMST325 or SOCY325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Valerie Chepp MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0201	Lester Andrist MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213
0301	Mehmet Ergun MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213
0401	Michelle Corbin TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309

WMST336 **Psychology of Women**

WMST336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as PSYC336. Credit will be granted for only one of the following: WMST336 or PSYC336. A study of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to undergraduate PSYC students or WMST students only.

0101	Kathryn Levit MW 3:30pm - 4:45pm	Seats (Total: 110) BPS 1243
0201	Kathryn Levit TuTh 11:00am - 12:15pm	Seats (Total: 110) BPS 1243

WMST348F **Literary Works by Women; Women on the Frontier**

WMST348F Literary Works by Women: Women on the Frontier; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL 348F.

0101	Leigh Ryan TuTh 9:30am - 10:45am	Seats (Total: 35) TWS 0221

WMST360 **Caribbean Women**

WMST360 Caribbean Women; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of the lives and experiences of women across the Caribbean region, through an examination of their roles in individual, national, social and cultural formations. Special emphasis on contemporary women's issues and organizations.

0101	Augusta Bolles MW 2:00pm - 3:15pm	Seats (Total: 40) SQH 1121

WMST386 **Experiential Learning**

WMST386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F.
Prerequisite: Learning Proposal approved by Women's Studies Academic Advisor. Junior standing.

0101	Laura Nichols Contact instructor or department for details.	Seats (Total: 5)

WMST400 **Theories of Feminism**

WMST400 Theories of Feminism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: one course in WMST or a course cross-listed with a WMST course. A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

0101	Katie King TuTh 11:00am - 12:15pm	Seats (Total: 30) HBK 0103

WMST452 **Women in the Media**

WMST452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as JOUR452. Credit will be granted for only one of the following: WMST452 or JOUR452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	JRN 1116

WMST471 **Women's Health**

WMST471 Women's Health; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Also offered as HLTH471. Credit will be granted for only one of the following: WMST471 or HLTH471. The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101	Anne Anderson-Sawyer	Seats (Total: 200)
	MW 3:00pm - 4:15pm	SPH 1312

WMST488E **Senior Seminar; Health Inequalities by Gender, Race, Ethnicity and Class**

WMST488E *(PermReq)* **Senior Seminar: Health Inequalities by Gender, Race, Ethnicity and Class; (3 credits)** Grade Method: REG/P-F/AUD.
Department permission required.

0101	Ruth Zambrana	Seats (Total: 15)
	Tu 2:00pm - 4:30pm	WDS 1130
	Students must complete one introductory course in WMST and WMST400.	

WMST494 **Lesbian Communities and Differences**

WMST494 Lesbian Communities and Differences; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One course in Women's Studies, preferably WMST200 or WMST250.
The meanings of lesbian communities across many lines of difference. Using lesbian-feminists of the 1970s as a starting point, we will look both back and forward in history, tracing changes and exploring the meanings of these in their social and historical contexts. Also offered as LGBT494.

0101	Katie King	Seats (Total: 35)
	Th 3:00pm - 5:30pm	TYD 2106

WMST498C **Law and Identities**

WMST498C Law and Identities; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Sherri Beatty-Arthur	Seats (Total: 30)
	Tu 3:00pm - 5:30pm	KEY 0123

WMST498D **Advanced Special Topics in Women's Studies; Feminist Pedagogy**

WMST498D *(PermReq)* **Advanced Special Topics in Women's Studies: Feminist Pedagogy; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Katie King	Seats (Total: 2)
	Contact instructor or department for details.	

WMST498H **Advanced Special Topics in Women's Studies; Honor Thesis Writing**

WMST498H *(PermReq)* **Advanced Special Topics in Women's Studies: Honor Thesis Writing; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Michelle Rowley	Seats (Total: 1)
	Contact instructor or department for details.	

WMST498M **Advanced Special Topics in Women's Studies; A History of Sexualities**
Contact department for information to register for this course.

WMST498T **Advanced Special Topics in Women's Studies; Black Sexual Politics**

WMST498T Advanced Special Topics in Women's Studies: Black Sexual Politics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeffrey McCune Jr. M 3:00pm - 5:30pm	Seats (Total: 35) HBK 0115

WMST498X **Advanced Special Topics in Women's Studies; Domestic Violence**

WMST498X Advanced Special Topics in Women's Studies: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.

0101	Karen O'Brien MW 8:00am - 9:15am	Seats (Total: 35) BPS 1124

WMST499 **Independent Study**

WMST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST601 **Approaches to Women's Studies I**

WMST601 *(PermReq)* **Approaches to Women's Studies I; (3 credits)** Grade Method: REG.
Prerequisite: WMST400 or equivalent. Examines two fundamental concepts in women's studies: intersectionality and interdisciplinarity. Looks at how feminisms have shaped and been shaped by knowledge-production within and across disciplinary boundaries, cultures, and paradigms. Develops an appreciation of intersectional theory as a critical research tool and as a set of responses to issues of power, domination, oppression and other loci of difference.

0101	Michelle Rowley Th 3:00pm - 5:30pm	Seats (Total: 15) WDS 2101R

WMST618 **Feminist Pedagogy**

WMST618 *(PermReq)* **Feminist Pedagogy; (3 credits)** Grade Method: REG.
For Women's Studies students only.

0101	Deborah Rosenfelt	Seats (Total: 4)
	Th 3:00pm - 5:00pm	WDS 1127

WMST619 **Women's Studies Teaching Practicum**

WMST619 *(PermReq)* **Women's Studies Teaching Practicum; (1 credit)** Grade Method: REG.
Prerequisite: permission of department. For Women's Studies students only.

0101	Seung-Kyung Kim	Seats (Total: 10)
	Contact instructor or department for details.	

WMST628 **Women's Studies Colloquium**

WMST628 *(PermReq)* **Women's Studies Colloquium; (1 credit)** Grade Method: S-F.

0101	Augusta Bolles	Seats (Total: 10)
	Contact instructor or department for details.	

WMST698E **Special Topics in Women's Studies; Interdisciplinary Collaborative Research at the Intersections of Race, Gender and Ethnicity**

WMST698E Special Topics in Women's Studies: Interdisciplinary Collaborative Research at the Intersections of Race, Gender and Ethnicity; (1 credit) Grade Method: REG/AUD.
This course meets on 9/17, 10/15, 11/19, 12/10.

0101	Ruth Zambrana	Seats (Total: 10)
	Contact instructor or department for details.	

WMST698M **Special Topics in Women's Studies; History of Women**

WMST698M Special Topics in Women's Studies: History of Women; (3 credits) Grade Method: REG/AUD.

0101	Gay Gullickson	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	KEY 2120

WMST698T **Special Topics in Women's Studies; Black Sexual Politics?**

WMST698T Special Topics in Women's Studies: Black Sexual Politics?; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey McCune Jr. M 3:00pm - 5:30pm	Seats (Total: 35) HBK 0115

WMST699 **Independent Study**

WMST699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST709 **Directed Independent Reading for Major Field Exam**

WMST709 *(PermReq)* **Directed Independent Reading for Major Field Exam; (1-4 credits)** Grade Method: S-F.

0601	Jeffrey McCune Jr. Contact instructor or department for details.	Seats (Total: 2)
0701	Claire Moses Contact instructor or department for details.	Seats (Total: 2)

WMST799 **Masters Thesis Research**

WMST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST898 **Pre-Candidacy Research**

WMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST899 **Doctoral Dissertation Research**

WMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.